



Columbia University
Bulletin of Information

BARNARD COLLEGE

ANNOUNCEMENT

1948-1949

Frank Palmer corrected copy

BARNARD COLLEGE

THE UNDERGRADUATE COLLEGE
OF LIBERAL ARTS AND SCIENCES
FOR WOMEN OF

Columbia University

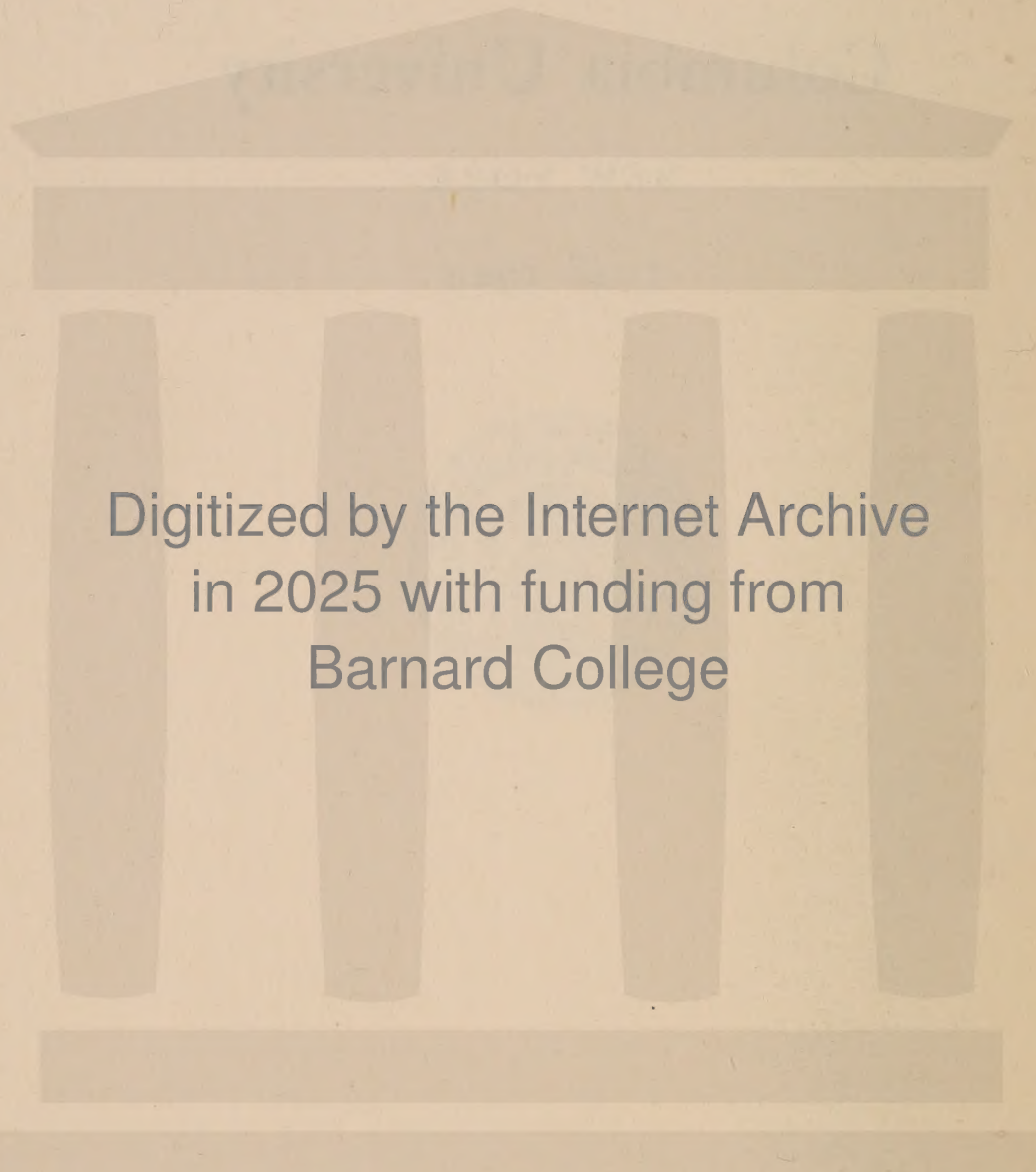
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1948-1949



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HELEN HARTLEY JENKINS GEER MEMORIAL GATE
ENTRANCE TO
BARNARD HALL

LOOKING NORTH
FROM
BARNARD HALL

IN THE BACKGROUND, RIVERSIDE
CHURCH, MILBANK HALL AND
TOWER OF UNION THEOLOGICAL
SEMINARY.



BARNARD COLLEGE

COLUMBIA UNIVERSITY

Barnard College is the undergraduate college of liberal arts and sciences for women of Columbia University. Its Faculty is one of the Faculties of the University. Its graduates receive from Columbia the degree of Bachelor of Arts. Though Barnard is so closely a part of the University educationally, financially it is independent of Columbia, and has its own Board of Trustees.

Columbia University had its origin in the royal charter granted by Letters Patent in the reign of George II, King of England, to the Governors of the College of the Province of New York, in the City of New York, in America, creating them a Body Corporate to erect and maintain a college to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and Liberal Arts and Sciences"; with power to elect their successors, to hold property, to appoint a president, fellows, professors, and tutors, and to confer degrees.

Because of its early relationship to Trinity Church and the grant to King's College of a valuable tract of land which was a portion of the Queen's Farm, there has always existed a close relationship between the religious life of the College and the Protestant Episcopal Church. The services at the College Chapel are in accordance with the liturgy of that church.

The Revolutionary War interrupted the active work of the institution, but in 1784 it was reopened as Columbia College. In 1912 the title was changed to Columbia University in the City of New York.

The University at the present time consists of Columbia College, the undergraduate college of liberal arts for men, which offers a program of studies leading to the degree of Bachelor of Arts; the School of General Studies, with courses leading to the degree of Bachelor of Science; the School of Law, with courses leading to the degrees of Bachelor of Laws, Master of Laws, and Doctor of the Science of Law; the College of Physicians and Surgeons, with courses leading to the degrees of Doctor of Medicine, Doctor of Medical Science, Doctor of Public Health, and Master of Science in public health, and with courses in nursing leading to the degree of Bachelor of Science, or to the diploma in nursing; the School of Engineering, with courses leading to the degree of Bachelor of Science, the several engineering degrees, and the degree of Master of Science; the School of Architecture, with courses leading to the degrees of Bachelor of Architecture and Master of Science; the School of Journalism, with courses leading to the degree of Master of Science; the School of Business, with courses leading to the degrees of Bachelor of Science, Master of Science and Master of Business Administration; the School of Dental and Oral Surgery, with courses leading to the degree of Doctor of Dental Surgery; the School of Library Service, with courses leading to the degrees of Bachelor of Science and Master of Science; the nonprofessional Graduate Faculties of Political Science, Philosophy, and Pure Science, with courses leading to the degrees of Master of Arts and Doctor of Philosophy. Under the University Council the degree of Bachelor of Science is offered for professional courses in

Optometry. In addition to these schools and faculties, the University includes the independent corporations of Barnard College (1889), the undergraduate college for women, with courses leading to the degree of Bachelor of Arts; Teachers College (1898), with courses offered under the Faculty of Teachers College leading to the degrees of Bachelor of Science, Master of Arts, and Master of Science; the Advanced School of Education in Teachers College (1935), with programs of study leading to the degree of Doctor of Education, and under the Department of Educational Research of the Faculty of Philosophy, to the degree of Doctor of Philosophy; the College of Pharmacy (1904), with courses leading to the degrees of Bachelor of Science and Master of Science; Union Theological Seminary (1928), whose faculty conducts certain University work leading to the degree of Master of Arts; New York Post-Graduate Medical School (1931), which offers advanced work in medicine, and the New York School of Social Work (1940), with courses leading to the degree of Master of Science.

Students not concerned with degree credit will find courses in the School of General Studies open to them, as well as a number of short courses in the Institute of Arts and Sciences.

The University maintains three sessions during the year: the Winter Session, beginning the last Wednesday of September and ending the first Tuesday of February; the Spring Session, beginning the first Wednesday of February and ending the second Wednesday of June; and the Summer Session, July 6 through August 13.

BARNARD COLLEGE

FOUNDING OF BARNARD COLLEGE. During the 1880's there developed in New York a demand for higher education for women comparable in quality to that given in the best colleges for men. It was felt that Columbia should somehow provide this, and in 1889 a group of men and women worked out with the Trustees of Columbia a plan for the establishment of a college for women affiliated with Columbia, but financially independent. A charter was granted by the State of New York, and promises of subscriptions for the support of the college during the first four years were secured. Mrs. Alfred Meyer played an active and leading part in raising the necessary funds and influencing others to a belief in the new institution. She became one of the original Trustees. The Reverend Arthur Brooks was elected Chairman of the Board, Mrs. Joseph H. Choate, Vice-Chairman, Mr. Hamilton Wright Mabie, Secretary, and Mr. Jacob H. Schiff, Treasurer. The other original Trustees were: Mrs. Francis B. Arnold, Miss Helen Dawes Brown, Mr. Silas B. Brownell, Mrs. William C. Brownell, Mr. Frederic R. Coudert, Mr. Noah Davis, Mr. George Hoadley, Mr. George A. Plimpton, Mrs. John D. Rockefeller, Mr. Francis Lynde Stetson, Mrs. James S. T. Stranahan, Mrs. James Talcott, the Reverend Henry van Dyke, Miss Ella Weed, Mr. Everett P. Wheeler, Miss Alice Williams and Mrs. Frances Fisher Wood.

President Frederick A. P. Barnard of Columbia College had for years been an ardent advocate of the admission of women to Columbia. As early as 1879 he urged this in his report to the Trustees, expressing the "profound convic-

tion that, in the interests of society, the mental culture of women should be not inferior in character to that of men." It was fitting, therefore, that the founders of the new college should give it his name. With seven instructors selected from the teaching staff of Columbia and with fourteen regular and twenty-two special students, Barnard opened in the fall of 1889 in a rented house at 343 Madison Avenue.

RELATION TO THE UNIVERSITY. In 1900 when the growth of the College had made inappropriate the original informal arrangement for instruction, an agreement was made between the Trustees of Columbia College and of Barnard College by which Barnard was incorporated in the educational system of the University. By the provisions of this agreement, the President of the University is *ex officio* President of Barnard College. Barnard professors are appointed by the University on the nomination of the Dean with the approval of the President and the Trustees, and rank as professors of the University. The College is represented on the University Council by its Dean and two elected representatives. The graduates of Barnard receive their degrees from Columbia, and these degrees are maintained as of equal value with corresponding degrees conferred upon the graduates of Columbia College. The University libraries are open to women on the same terms as to men. Various opportunities in other schools of the University have also, through the relation of Barnard College to Columbia, been opened to Barnard students. On the other hand, Barnard has its separate corporate and financial organization, with its own Board of Trustees. It retains its own internal administration, conducted by the Dean, who is appointed by the President with the advice and consent of the Trustees of Barnard. Its courses are determined and administered by its own Faculty, consisting of all professors who give instruction at Barnard.

BUILDINGS AND GROUNDS. Since 1897 Barnard has occupied the land on Broadway between 119th and 120th Streets, just west of the main buildings of the University. In 1903 Milbank Quadrangle, extending from 119th to 116th Streets, was added through the gift of Mrs. A. A. Anderson. In 1936, largely through a gift from the General Education Board, the College purchased Riverside Quadrangle, between 119th and 120th Streets, Claremont Avenue and Riverside Drive. Milbank Hall and Brinckerhoff Hall, erected in 1896, the gifts respectively of Mrs. Anderson and Mrs. Van Wyck Brinckerhoff, and Fiske Hall, erected in 1898, the gift of Mrs. Josiah M. Fiske, are three adjoining buildings on 119th Street; they contain the administrative offices, lecture rooms, and laboratories. Brooks Hall, a residence hall at the southern end of the Quadrangle on 116th Street, was erected in 1907. A residence hall adjoining Brooks Hall and known as Hewitt Hall was completed in 1925. Barnard Hall, given by Mr. Jacob H. Schiff and erected in 1917, is on Milbank Quadrangle near 117th Street; it contains the gymnasium, swimming pool, lunch-room, reading room, doctors' and nurses' offices, and rooms for student organizations. Riverside Building, a former private house on Riverside Drive, provides temporarily a few offices and classrooms. Barnard Camp, a 20-acre tract of wooded land in Westchester County, about 35 miles by parkways from

the College, was given by the Alumnae in 1933, and provides opportunity for country weekends, sports and recreation.

FINANCIAL STATEMENT. The College owns equipment, buildings, and grounds of a value of \$4,300,000, and holds productive funds providing a net income of about \$200,000.

ACADEMIC DISCIPLINE. The continuance of each student upon the rolls of the University, the receipt by her of academic credits, her graduation, and the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the University, which is free to cancel her registration at any time on any grounds which it deems advisable. The disciplinary authority of the University is vested in the President in such cases as he deems proper, and, subject to the reserve powers of the President, in the Dean of each Faculty and the Director of the work of each administrative board.

RESIDENCE. All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Director of Student Organizations and Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

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Vice-Chairman

GANO DUNN 80 Broad Street

Clerk

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 MRS. ARTHUR HAYS SULZBERGER 5 East 80th Street
 JOHN C. PARKER 4 Irving Place
 REGINALD E. GILLMOR 30 Rockefeller Plaza
 MRS. DAVID S. MUZZEY 492 Van Cortlandt Park Avenue
 (Alumnae Trustee 1945-1949) Yonkers, N. Y.
 MRS. DANA C. BACKUS Box 444, Port Washington, N. Y.
 (Alumnae Trustee 1947-1951)

STANDING COMMITTEES

1948

NOTE: The date after each name indicates the expiration of the term of office.

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MR. DUNN, *Vice-Chairman*
MR. KING, *Clerk*

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MRS. SULZBERGER (1948) MR. GILLMOR (1949) MR. FLETCHER (1950)
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(*ex officiis*)

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MR. JAY MR. FLETCHER
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(*ex officiis*)

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² EDWARD KASNER, Ph.D.	<i>Adrain Professor of Mathematics</i>
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² EUGENE H. BYRNE, Ph.D.	<i>Professor of History</i>
THOMAS PRESTON PEARDON, Ph.D.	<i>Professor of Government</i>
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HELEN R. DOWNES, Ph.D.	<i>Professor of Chemistry</i>
JOHN A. MOORE, Ph.D.	<i>Associate Professor of Zoölogy</i>

¹ Absent on leave, winter session, 1948-49.

² Absent on leave, spring session, 1948-49.

³ Absent on leave, 1948-49.

OTTO LUENING	<i>Professor of Music on the Joline Foundation</i>
² JULIUS HELD, Ph.D.	<i>Assistant Professor of Fine Arts</i>
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HENRIETTA SWOPE, A.M.	<i>Associate in Astronomy</i>
HELEN PHELPS BAILEY, A.M.	<i>Associate in French</i>

¹ Absent on leave, winter session, 1948-49.

² Absent on leave, spring session, 1948-49.

MARY H. FAIRBANKS, A.M.	Associate in Government
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MARY ESTHER BRIGGS, A.B.	<i>Assistant in Botany</i>
MARY JANE WILLIAMS, A.B.	<i>Assistant in Chemistry</i>
CAROL R. ENGLE, B.S.	<i>Assistant in Chemistry</i>
NANCY CAMERON, A.B.	<i>Assistant in Economics</i>
MARY HENDERSON, M.A.	<i>Assistant in English</i>
MARY HEUSER, A.B.	<i>Assistant in Fine Arts</i>
JOHN D. EDWARDS, B.A.	<i>Assistant in Geology</i>
MARJORIE ANNE WHITE, A.B.	<i>Assistant in Mathematics</i>
MIRIAM GABIN, A.B.	<i>Assistant in Physics</i>
CHRISTINE FLURRY, A.B.	<i>Assistant in Psychology</i>
JOAN GORDON, M.A.	<i>Assistant in Sociology</i>
ELLEN DEMPSEY, A.B.	<i>Assistant in Zoölogy</i>
MARGARET LIEB, M.A.	<i>Assistant in Zoölogy</i>
BARBARA MARTIN, A.B.	<i>Assistant in Zoölogy</i>
NAOMI FITCH, B.S.	<i>Assistant in Zoölogy</i>
JOAN ROSENBAUM, A.B.	<i>Assistant in Zoölogy</i>

Other Officers of the university and Professors from other institutions who give part-time instruction in Barnard College will be found in the lists at the head of departmental announcements.

Officers Emeritus

VIRGINIA C. GILDERSLEEVE, Ph.D., LL.D., Litt.D., L.H.D.	<i>Dean Emeritus</i>
IDA H. OGILVIE, Ph.D.	<i>Professor Emeritus of Geology</i>
WILHELM A. BRAUN, Ph.D.	<i>Professor Emeritus of the Germanic Languages and Literatures</i>
WILLIAM T. BREWSTER, A.M., Litt.D.	<i>Professor Emeritus of English</i>
HENRY E. CRAMPTON, Ph.D., Sc.D.	<i>Professor Emeritus of Zoölogy</i>
GERTRUDE M. HIRST, Ph.D., M.A. (Cantab.)	<i>Professor Emeritus of Greek and Latin</i>
MARIE REIMER, Ph.D.	<i>Professor Emeritus of Chemistry</i>
HARRY L. HOLLINGWORTH, Ph.D., LL.D.	<i>Professor Emeritus of Psychology</i>
WILLIAM PEPPERELL MONTAGUE, Ph.D., LL.D.	<i>Professor Emeritus of Philosophy</i>

Barnard Representatives on the University Council

The DEAN (*ex officio*), Professor MULLINS (serving until June, 1948), and Professor PEARDON (serving until June, 1949).

Barnard Representatives on the University Committee on Admissions

Mr. BOWLES, Chairman, and the DEAN (*ex officio*).

Standing Committees of the Faculty

COMMITTEE ON INSTRUCTION: The DEAN, *chairman*, Professors HOFFHERR, BOORSE, LORCH, DOWNES, KOMAROVSKY, PUCKETT, PARKHURST, GREET, and Associate Dean.

COMMITTEE ON STUDENTS' PROGRAMS: Professor McGUIRE, *chairman*, Professors LOWTHER, SARGENT, DR. ELIOT, and the DEAN, MISS HYDE, MISS PALMER, MISS GIDDINGS and MISS FOX (*ex officio*).

COMMITTEE ON SCHOLARSHIPS: The DEAN, *chairman*, Professors HARRINGTON and McGUIRE, MRS. BAILEY, DR. SWALLOW, MRS. NIEBUHR, MISS MACDONALD, and MISS HYDE (*ex officio*).

COMMITTEE ON HONORS: The DEAN, *chairman*, Professors REICHARD, BYRNE, LAWRENCE, YOUTZ, and LORCH.

COMMITTEE ON STUDENT AFFAIRS: The DEAN, *chairman*, Professors SHARP, RICH, MOORE, McGUIRE, DR. ELIOT, and Professor HARRINGTON, *secretary and executive officer*.

COMMITTEE ON SCHEDULE OF HOURS: ASSOCIATE DEAN LOWTHER, *chairman*, Professors MULLINS, PUCKETT, McGUIRE, and the DEAN (*ex officio*).

COMMITTEE ON THE FOREIGN LANGUAGE REQUIREMENT: ASSOCIATE DEAN McGUIRE, *chairman*, Professors PUCKETT, HOFFHERR, DAY, DEL RÍO, CARBONARA, ROBERTSON, and the DEAN (*ex officio*).

COMMITTEE ON LIBRARY: Professor PEARDON, *chairman*, Professors BYRNE, ARENSBERG, and KOUWENHOVEN.

COMMITTEE ON AREA STUDIES AND INTERNATIONAL RELATIONS: Dean McINTOSH, *chairman*, Professors PEARDON and REYNARD, and DR. MURET.

COMMITTEE ON ADMISSIONS: Professors DEL RÍO, McGUIRE, and the DEAN (*ex officio*)

Officers of Administration

JEAN T. PALMER, A.B.	<i>Director of Admissions, Information</i>
ESTHER GREENE, A.B., B.S.	<i>Librarian</i>
THUSNELDA BRETTMAN	<i>Assistant Librarian</i>
MARGARET GIDDINGS, A.B.	<i>Registrar</i>
DOROTHY E. FOX, A.B.	<i>Assistant Registrar</i>
EMILY G. LAMBERT, A.B.	<i>Bursar</i>
FRANCES A. BARRY, A.B.	<i>Assistant Bursar</i>
MARTHA LAWRENCE WIENERS, A.B.	<i>Executive Secretary, Dean's Office</i>
	<i>Superintendent of Buildings and Grounds</i>
	<i>College Physician</i>
MARY E. MACDONALD, A.M.	<i>Director of Residence Halls</i>
RUTH HOUGHTON, A.B.	<i>Director of Occupation Bureau</i>
ETHEL C. BURGESS, A.B.	<i>Assistant Director of Occupation Bureau</i>
	<i>Director of Student Organizations</i>
	<i>and Social Affairs</i>
MARTHA MAACK ENGLISH, A.B.	<i>Assistant Director of Student</i>
	<i>Organizations and Social Affairs</i>
AILEEN P. WINKOPP, A.B.	<i>Director of Press Relations</i>

GERTRUDE V. RICH, Ph.D.	<i>Freshman Adviser</i>
LORNA F. MCGUIRE, Ph.D.	<i>Sophomore Adviser</i>
VIRGINIA D. HARRINGTON, Ph.D.	<i>Junior Adviser</i>
CLARA ELIOT, Ph.D.	<i>Senior Adviser</i>
MRS. RICHARD B. WHITNEY	<i>Director of the Barnard Development Plan</i>
ROBERT G. BUSHNELL, A.B.	<i>Business Officer</i>
FREDERICK A. GOETZE, M.Sc.	<i>Treasurer of the University</i>
SHUNJI F. NISHI, B.D.	<i>Acting Chaplain of the University</i>
WILLIAM M. MCCASTLINE, M.D.	<i>University Medical Officer</i>

ADMISSION

General Statement

A student in Barnard College who has fulfilled the preliminary qualifications for candidacy for a degree is enrolled as a matriculated student of Columbia University.

Admission to the several schools and colleges of Columbia University presupposes certain educational qualifications, but the possession of the qualifications does not entitle a candidate to admission unless his or her character and personality are acceptable to the University and unless he or she is physically fit to do the work which he or she desires to undertake. Satisfaction of the minimum requirements for admission to the schools and colleges of the University does not insure admission, particularly if the school or college be crowded.

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registered in any school or college of the University shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the appropriate Dean or Director.

In exceptional circumstances a student not enrolled as a matriculated student may be admitted to the University as a nonmatriculated student, with permission to attend such courses of instruction as he or she is qualified to take, but not as a candidate for a degree, certificate, or diploma in regular course. Nonmatriculated students are expected to conform to the same standards of attendance and scholarship as are required of matriculated students. Nonmatriculated students may receive a formal statement of the satisfactory completion of any course.

Exceptions may be made for students who are prevented from attending college on days set apart by their religion for observance if they make application to the appropriate college authority.

Policy and Procedure

Barnard College selects its students from an eligible list consisting of all candidates who present satisfactory evidence of good character, good health, good preparation and intellectual ability.

In choosing the members of its freshman class and also the students from other colleges admitted to higher standing, the College keeps in mind the desirability of having a student body which, though reasonably congenial, will represent as far as possible a cross-section of the country geographically, economically, socially, and in other ways, so that it will be educationally valuable for the members to know one another and to work together. This consideration may influence the selections of the Committee on Admissions.

Each student who plans to enter the College should file an application for admission, forms for which are obtainable from the Director of Admissions,

at as early a date as possible, accompanied by a money order or draft for \$10 payable to Barnard College. This application fee will not be credited on the college fees nor refunded for any cause. For other fees, see page 20.

Admission to the Freshman Class

Candidates are admitted to the freshman class only in September of each academic year.

Candidates must be at least fifteen years of age and must submit the following credentials:

- I. Satisfactory evidence of good character, personality and promise. Confidential reports from the applicant's school principal and teachers are given most weight. A personal interview with a member of the Admissions Office staff is most desirable and in any case a photograph must be submitted.
- II. Satisfactory evidence of adequate health.
This consists of a health history and report of a health examination, submitted to the College Physician on a form supplied by the Admissions Office at the time the admission notice is sent.
- III. Satisfactory evidence of good preparation and intellectual ability.
 - A. Preparation consists normally of graduation from an approved secondary school, or some equivalent education acceptable to the College, representing a four-year course including: four years work in English, three years in some foreign language, two years in another foreign language, a year in algebra, a year in plane geometry; the rest of the course should be selected mainly from history, science, additional languages, mathematics, music and art. For premedical students additional work in mathematics and German is advised. For pre-engineering students three years of social studies, two years of French or German, mathematics through solid geometry and trigonometry, physics, and chemistry are required. Exceptions may be made under special conditions.
 - B. Ability is tested by means of the College Entrance Examination Board Scholastic Aptitude (Program I) and three Achievement tests. These are required of every candidate for admission to the freshman class and in some cases required of those who choose to enter with advanced standing. For complete information regarding these tests, see p. 17.

The emphasis will be placed on the candidate's ability to do college work successfully. If a student is admitted to Barnard College, she will be admitted without entrance conditions. If the time in secondary school has been curtailed or if the school record is lacking in some essential element, the College may require an additional term of work for graduation.

General Information Concerning Tests

The College Entrance Examination Board will administer the following four series of tests in 1948-49:

Saturday, June 5, 1948
 Wednesday, August 18, 1948
 Saturday, January 15, 1949
 Saturday, April 9, 1949

Scholastic Aptitude (including a verbal and mathematical section—three hours, Programs I, II and III) 8:45 A.M.

Achievement Tests (not more than three of the following one-hour tests can be taken in any one series) 1:45 P.M.

English Composition	Latin Reading
Social Studies	Spanish Reading
French Reading	Biology
German Reading	Chemistry
Greek Reading (April only)	Physics
Italian Reading (April only)	Spatial Relations

*Special Aptitude Test for Veterans (three hours) 1:45 P.M.

Part I—Verbal
 Part II—Mathematical
 Part III—Physical Science *or* Social Studies

Those required for admission to Barnard are:

Scholastic Aptitude Test (Program I)
 Three Achievement Tests, including

- (1) English Composition
- (2) A choice of French, German, Greek, Italian, Latin, or Spanish
- (3) A choice of social studies *or* one of: Biology, Chemistry, Physics.

Those required for veterans are all three sections of the Special Aptitude Test.

A single Bulletin of Information containing rules for the filing of applications and the payment of fees, lists of examination centers, etc., may be obtained without charge from the College Entrance Examination Board. The Board does not publish a detailed description of the Scholastic Aptitude Tests or the Achievement Tests. Brief descriptions are included in the Bulletin. A practice form of the test will be sent to every candidate who registers for it.

Candidates should make application by mail to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey. Blank forms for this

* To be given through August, 1948 series only.

purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish to take the April, June, August, or January tests.

In order to facilitate the arrangements for the conduct of the tests, all applications should be filed as early as possible. Each application should be accompanied by the appropriate examination fee:

Scholastic Aptitude Test alone	\$5.00
One, two or three Achievement Tests	7.00
Scholastic Aptitude and one, two or three Achievement Tests	10.00
Special Aptitude Test for Veterans	6.00

Applications will not be accepted unless they are received at least a week prior to the date of the tests, and candidates may not register for the tests at the examination centers.

The Board will report the results of the tests to the institution indicated on the candidate's application. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

Admission to Advanced Standing

Candidates are admitted to advanced standing in September and February.

Students who have satisfactorily completed at least a year of work at an acceptable college, scientific school, or foreign institution of equivalent grade may be admitted with such advanced credit as their previous records may warrant. In general a candidate with a good record transferring to Barnard from a similar college of equal standing will receive at Barnard a year's credit for a year's work at the institution from which she comes.

Credit will be allowed after a successful year at Barnard for such courses of the United States Armed Forces Institute as may be approved by the Faculty of Barnard College and for certain work in the military training record of the applicant. No credit is allowed toward the Barnard degree for nurses' training.

Each candidate should send to the Committee on Admissions with her application a catalogue of her college plainly marked, showing entrance credit and courses taken. The applicant should request the college to send an official transcript of her college record, including entrance credit. If for any reason a student cannot obtain an official record until the end of the term, she may substitute her report cards. One or the other must be in the hands of the Committee on Admissions before the Committee on Student Programs can estimate her standing in Barnard College. The Committee on Student Programs will give an applicant a tentative estimate of the time she will be expected to spend at Barnard in order to secure a degree, and the prescribed work she will be asked to do. Final determination of these matters lies with the Committee on Student Programs which reserves the right of readjusting credit at any time. These reports should be received by the Committee on Admissions by July 1 for admission in September and by December 1 for admission in February; otherwise action on the case may be delayed until just before the open-

ing of college. Final action on admission depends upon (1) the honorable dismissal, (2) the certificate of good moral character from an authorized representative of her college, and (3) the certificate of adequate health.

If all credentials are not in the hands of the Committee on Admissions by Friday, September 17, the student's registration may be deferred until Saturday, September 25, involving an additional fee of \$15 for late registration.

No applicant may enter the senior class as a candidate for a degree after October 15 in any year, and no student will receive a degree who has been a full-time matriculated student less than two full sessions at Barnard College. It is, however, difficult even for a good student to secure a degree in one year at Barnard. (See also paragraph 8, page 30.)

A candidate for admission with advanced standing from a junior college may be asked to take the Scholastic Aptitude test Program I, and if admitted, will be allowed to enter courses that succeed her junior college courses. No definite credit for her junior college work can be assigned until after she has had an opportunity to establish a good record at Barnard.

Admission as Special Students

Women who wish, without working toward a degree, to make a serious study of some subject or group of subjects, may, with the approval of the Committee on Admissions, enter Barnard as nonmatriculants, not candidates for the degree. They need not pass formal entrance examinations, but they must submit satisfactory credentials in regard to character and qualifications for the courses they wish to take.

Candidates for admission as non-matriculants must be mature. They may not pursue merely elementary courses. They must not, within ten months of the time of application, have been rejected or become deficient as regular students.

They will be held to the observance of the same regulations as to attendance, examination in course, proficiency, and deficiency as regular students. They are also subject to the usual health regulations.

They are entitled to a formal statement as to the satisfactory completion of the work that they have taken. They may, in view of a good record in college courses, be transferred by the Committee on Instruction to the matriculated basis as candidates for a degree.

REGISTRATION

Before attending any University exercise each student shall comply with the regulations in regard to registration and payment of fees.

Students already in college shall give notice of their choice of courses for each session to the Registrar on dates to be announced. Failure to file a program during the proper period will cause the student to incur a fine of \$10. Students in college who defer filing programs from April until after Commencement will incur a fine of \$20. Bills (including bills for room and board for resident students), accompanied by checks or money orders, and any other documents required by the Bursar, and, in September, by University directory cards, must be mailed to the Bursar so that they bear the postmark of September 15 or earlier for the winter term and January 15 or earlier for the spring term. *Failure to mail bills on time will entail a late registration fee of \$15.*

New Students. Appointments at the college for the planning of their programs and the filing of registration forms will be made for the majority of transfers and freshmen in the weeks preceding the opening of the winter or the spring term. Members of the faculty and administrative officers will also be available for consultation on Monday and Tuesday, September 20 and 21, 1948, and on Monday and Tuesday, January 31 and February 1, 1949. Bills (including bills for room and board for resident students), accompanied by checks or money orders, and any other documents required by the Bursar, must be received by the Bursar before the opening day of the term, September 22, 1948 or February 2, 1949. If mailed to the Bursar, the envelope must be postmarked September 21, 1948, or earlier, or February 1, 1949, or earlier. *Failure to mail bills on time will entail a late registration fee of \$15.*

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registering in Barnard shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the Dean.

Withdrawal

An honorable discharge will be granted to any student in good academic standing, not subject to discipline, who withdraws from the College. A student who withdraws is required to notify the Registrar in writing. No student under the age of twenty-one years shall be entitled to a discharge without the assent of her parent or guardian furnished in writing to the Dean. (See REBATES, p. 23.)

FEES

General Statement

All fees are payable semiannually in advance (see instructions under REGISTRATION), and no reduction is made for late registration. Registration is not complete until *all* fees are paid, including residence halls fees. Inasmuch as the

registration fee is charged for the actual process of fulfilling all the requirements of the Registrar's office, it is incurred when the student receives her bill and must be paid even if she withdraws before attending classes. Failure to pay fees on time (see REGISTRATION) imposes automatically the statutory charge of \$15 for late registration.

In special cases, for satisfactory reasons and upon payment of a nominal fee, permission may be obtained from the Bursar to defer the payment of approximately one-half the total bill for the session until approximately mid-term—November 11 or March 23—provided that permission is granted before August 15 or December 15. *Any application for the privilege of deferred payment made after August 15 or December 15 will be considered late payment and as such will be subject to a \$5 late payment fee.* In every case where the privilege of deferred payment has been granted, each payment must be made on the due date or an additional \$5 late payment fee will be incurred.

The fees to be paid by students are subject to change at any time at the discretion of the Trustees.

Checks in payment of all fees, including those for charges in the residence halls, should read "Pay to the order of Barnard College," and should be made out for the exact amount of the payment due. As change will not be given on checks, no check which is made out for more than the correct amount will be accepted.

Every financial obligation to the College incurred by the student must be met by January 1 of the winter session or by May 1 of the spring session, if the student is to be permitted to take her examinations and receive credit for the session's work.

The privileges of the College are not available to any student who is delinquent in the payment of her fees.

(The application fee of \$10, payable when application for admission is filed, is not credited on the bill and is never refunded; it should not be confused with the registration fee, payable each session.)

For all students for each session:

- | | |
|---|----------|
| A. Registration fee | \$ 10.00 |
| This fee is included in the bill issued by the Registrar and is never refunded. | |

B. Tuition

- | | |
|---|--------|
| 1. For matriculated students enrolled: | |
| a. For 10 points or more | 340.00 |
| b. For 9 points or less, \$33 per point for academic work and \$5 for physical education, if this is required. | |
| 2. For non-matriculated students: \$33 per point for academic work and \$5 for physical education, if this is required, with a maximum fee of \$340.00. | |

In addition, a Student Activities fee is charged all matriculated students	4.00
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Additional fees for *all* resident students for *each* session:

(A room deposit of \$50 is payable by May 15 to the residence halls to secure the assignment of a room. This deposit will be applied \$25 to the rent bill of the winter session and \$25 to the rent bill of the spring session. The entire deposit is forfeited if written notice of withdrawal is received after July 15. In the case of students in residence during the winter session, the deposit applicable to the spring session is forfeited if written notice of withdrawal is received after December 1. In the case of students entering at the beginning of the spring session, the \$25 deposit required for that session is forfeited if written notice of withdrawal is received after December 1.)

A. Room	\$175.00	
Less one-half room deposit	25.00	150.00
		<hr/>
B. Board		200.00
		<hr/>
		\$350.00

Summary of Fees for the Academic Year

For a non-resident full-time student (taking 10 points or more)
Registration, Tuition, and Student Activities Fee \$708.00

Payable as follows:

May 15	\$ 50.00
September 15	304.00
December 1	50.00
January 15	304.00
	<hr/>
	\$708.00

In order to obtain a place on the college list for the ensuing winter or spring session students who are currently enrolled must pay a deposit of \$50 on or before May 15 and December 1 respectively. Applicants for admission or readmission must make this advance payment at the time they signify their acceptance of admission or readmission to the College.

The deposit of \$50 will be applied to the tuition bill of the winter or spring session, as the case may be.

The entire deposit of \$50 is forfeited in the event of a student's failure to enter or of her withdrawal, unless the Registrar receives written notice on or before the dates indicated in the following table:

	<i>Winter Session</i>	<i>Spring Session</i>
Students currently enrolled	July 15	Dec. 1
New students	Aug. 15	Jan. 1
Returning students	Aug. 15	Jan. 1

Deposit payments made after the dates indicated in the above table for the various classifications of students are forfeited in case of withdrawal.

For a resident full-time student (taking 10 points or more)

Registration, Tuition, and Student Activities Fee	\$708.00
Room	350.00
Board	400.00
	<hr/>
	\$1,458.00

Payable as follows:

May 15	\$100.00
September 15	654.00
December 1	50.00
January 15	654.00
	<hr/>
	\$1,458.00

Rebates

The registration fee of \$10 is never refunded.

After the second Saturday of either session no tuition fee shall be returned for any course which the student may discontinue. Exception may be made only in cases of total withdrawal from the College, when a partial return of fees may be authorized by the Registrar. This will generally be based on a charge of ten percent a week or any part thereof up to the date on which written notice of withdrawal is received, but in any case at least \$50 of the tuition fee will be retained, representing the deposit which was made to obtain a place on the college list. No fees whatsoever are returned after a period of ten weeks and ten days from the opening of the term.

Refunds of residence halls fees, in case of withdrawal, are made only under special circumstances. If a refund is authorized, it is never authorized on a room fee but is sometimes authorized on a board fee.

Additional Charges

Tuition for courses in applied music:

For special fee in each case, see departmental announcement of course.

Tuition for technical courses in fine arts:

For special fee in each case, see announcement of the School of General Studies.

Tuition for professional courses that are *not* taken for credit and for General Studies classes that, with the permission of the Committee on Instruction, are taken for credit toward the Barnard degree. This varies with the course taken.

Late Registration (see page 20) \$15.00

Privilege of filing program late \$ 10.00

For students in college who fail to file their programs for the coming session within the period announced for that purpose by the Committee on Instruction. Students in college who defer filing programs from April until after Commencement are fined \$20.

Late change of program 5.00

Any change in program initiated by any student and made after the period announced for that purpose by the Committee on Instruction.

Examinations, payable in each case before the examination is held:

For each and every deficiency or special examination 3.00

(A special or deficiency examination is one taken at any time other than at the conclusion of a course actually attended.)

For late application 5.00

For the degree 20.00

This fee is never refunded. It must be paid on or before April 15 by candidates for the degree in June or October and by January 1 by candidates for the degree in February.

Deposits for the use of apparatus, material, and the like are required in:

Chemistry 63, 64, each course 10.00

Chemistry 41, 42, 65, 66, each course 12.50

Chemistry 41a, 105, 106, 145, 146, 150, 157, 158, each course 15.00

Miscellaneous Expenses Not Payable to the College

Gymnasium costume (approximate) 15.00

Textbooks and supplies per year (minimum) 20.00

Student Government dues (for resident students) 1.50

<i>Estimated Cost for the First Year</i>	<i>Day Students</i>	<i>Resident Students</i>
Registration, tuition, etc.	\$ 708.00	\$ 708.00
Board and Room		750.00
Textbooks (minimum)	20.00	20.00
Gymnasium costume	12.00	12.00
Lunches, transportation, etc. (minimum)	75.00	
Student Government dues		1.50
	<hr/>	<hr/>
	\$ 815.00	\$1,491.50

This estimate does not include individual allowances for clothes, travel, amusements, supplies, etc.

For information regarding various scholarships, ranging from \$50 to \$900, which are available to students in need of assistance, see page 138.

Fees of State Scholars

Each State Scholar should file at the office of the Bursar *at the time of registration* the notice which she has received from Albany stating that a State Scholarship has been awarded to her. On the basis of this official notice she is entitled to a credit of \$175 a session.

A State Scholarship Certificate for each of these students is then sent from Albany to the Bursar, who records all necessary information and forwards the certificate to its owner. This certificate need not be presented again at the Bursar's office.

Safekeeping of Students' Funds

For the convenience and protection of students while in residence at the University the Bursar of Columbia University, in Room 310 University Hall, is prepared to receive funds for safekeeping, subject to the printed regulations, copies of which may be obtained at his office upon request. There is no charge for this service.

Personal checks will not be cashed by the University or credit allowed until the money has actually been received from the bank on which the check is drawn. However, checks, drafts, and money orders may be deposited for collection. Students should provide themselves with traveler's checks to cover their immediate expenses.

THE PROGRAM OF STUDIES

In order to provide for its students an opportunity to develop their minds, characters, and physical well-being, Barnard College has set up certain requirements for the degree and offers a wide range of courses of study. The Faculty does not believe that any one curriculum is best for all students. The requirements for the degree, therefore, constitute an elastic framework within which a great variety of curriculums can be planned, under the guidance of the different departments or interdepartmental committees, adapted to the aptitudes and interests of many types of students.

There are very few specific requirements.

The College believes that every student should be able to speak and write good English, and that her mind should be trained to think straight, weigh facts, and seek the truth. Such abilities may be developed in many courses and activities, but specifically the Faculty requires English A as helpful toward this end.

The College believes, also, that every student should know the laws of health and apply them to her daily living, and should develop as sound and vigorous a body as her constitution permits. To these ends the Faculty requires Hygiene A in the freshman year and Physical Education throughout the college course.

The College believes, also, that every student should have command of at least one foreign language and through this attain some knowledge of the nature of the people to which it belongs. The Faculty, therefore, requires

every candidate for the degree to pass a test showing that she can read at sight with ease French, German, Greek, Latin, Italian, or Spanish—with substitution of other languages permitted in special cases.

Class Advisers

In order to give each student the best possible direction for her work, a system of Class Advisers has been established. Each Adviser will carry a class through to graduation, in the junior and senior years cooperating closely with the Major Adviser. Associate Dean McGuire is the Chairman of the Class Advisers.

The Group Requirement

The College believes that every candidate for the degree should have enough general education to give her some knowledge of the nature of the main fields of human thought. The Faculty accordingly requires all students to distribute their work sufficiently among the three groups in which all the subjects are classified so that they acquire at least 14 points of credit in each group. The greater part of this group requirement is usually met in the freshman and sophomore years.

Group I is made up of the languages, literatures, and other fine arts. Each student is asked to take her 14 points in this group mostly in courses beyond merely elementary language study.

Group II is made up of the natural sciences and mathematics. Since the Faculty believes that every educated person should have some contact with scientific method and thought, each student is required to take one of the laboratory science courses listed below.

Group III is made up of the social sciences. Believing that every educated person should have some knowledge of the long history of man, the Faculty requires that all candidates for the degree must take at least six points of history.

The Major Requirement

As the group requirement is designed to distribute the student's work to some extent in the different fields of knowledge and thus prevent undue specialization, so the major requirement is designed to prevent undue scattering by requiring that every candidate for the degree must concentrate her work sufficiently to gain a thorough knowledge of one subject.

Each student selects her major at the end of her sophomore year. She then becomes subject to the requirements laid down by the department or interdepartmental committee of her choice. Under their guidance she has considerable freedom in selecting courses, but she must take at least 28 points in her major subject and meet the specific prescriptions of courses in the major and related subjects. Before graduation, she must pass the major examination, which is designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified and coherent whole.

Besides the program of courses listed below, the College offers its students

other opportunities for attaining that general development of mind, character, and physical well-being which is its purpose. These are provided through student government, extra-curricular clubs and activities of many kinds, the social life of the College, the Assemblies, the Chapel and the related religious organizations, and all those varied human contacts which constitute so important a part of college education.

Requirements for the Degree

For purposes of clearness, the requirements described above are repeated below specifically.

The requirement for graduation is the satisfactory completion of 120 points, exclusive of the prescribed work in physical education. A point usually signifies the equivalent of one hour of classroom attendance or two hours of laboratory work per week. Thus a three-point course normally meets for three hourly periods in one week.

Upon satisfactory completion of a program arranged according to the regulations of the College, the student is recommended by the Faculty of Barnard College to the Trustees of Columbia University for the degree of Bachelor of Arts. Diplomas are issued in June, February, and October upon the completion of the requirements for the degree.

Specific Prescriptions

English A	6 points
History	6 points
Hygiene A	2 points
Physical Education, A, B, C, D	no points

Ability to read at sight with ease one of the following languages:

French, German, Greek, Italian, Latin, or Spanish. This ability is tested by an examination in one of the above languages which should be taken as early as possible in the college course.

One full-year course in a second foreign language if the student has not already acquired this knowledge.

A major subject of at least 28 points
in Group I, II, or III (see below) and a major examination designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified and coherent whole.

Courses amounting to not less than *14 points* in each of the two remaining groups subject to the restrictions noted below 28 points

Electives 50 points

Required for the degree 120 points

*Groups of Study***GROUP I. Languages, Literatures, and other Fine Arts:**

Ancient Art, Anthropology (Courses 6, 7, 8, 107, 108), Classical Literatures (in translation), Comparative Linguistics, English, Esthetics (Philosophy 41-42, 45, 53, 54, 145), Fine Arts, French, German, Greek, Italian, Latin, Music, Portuguese, Romance Philology, Russian, Spanish.

RESTRICTIONS: The 14 points may not include (1) more than one elementary course in ancient foreign languages, (2) any first-year course in modern foreign languages, (3) English A.

GROUP II. Mathematics and Natural Sciences:

Anthropology (Courses 3, 4), Astronomy, Botany, Chemistry, Geography, Geology, Logic (Philosophy 6), Mathematics, Physics, Psychology (Courses 7-8, 9, 12, 22, 23, 2B, 25, 48, 58), Statistics (Economics 18), Zoölogy.

RESTRICTIONS: 8 to 10 of the 14 points must be in one of the following laboratory sciences: botany, chemistry, geology, physics, experimental psychology, zoölogy.

GROUP III. Social Sciences:

Anthropology (Courses 1, 2, 13, 14, 17, 51, 52), Archaeology, Classical Civilization, Economics, Geography, Government, History, Philosophy, Psychology (Courses 1, 26, 27, 28, 37), Religion, Sociology, Statistics (Economics 17).

RESTRICTIONS: All candidates for the degree, whatever their major, must take at least 6 points of history.

Program for Students Admitted by Transfer from Other Colleges

Students from other colleges transferring to Barnard College will be held to the requirements for the degree outlined on page 27, including the major, history, laboratory science, and language requirements. The English A requirement may usually be satisfied by passing a proficiency test. Of the points required for the degree 30 must be taken at Barnard, as well as a minimum of 12 points in the major subject. No credit is allowed toward the Barnard degree for work of D grade done elsewhere.

In general, those students who have been admitted by transfer to Barnard College will be allowed to enter the class to which their previous records entitle them. The Committee on Students' Programs will determine, in conference with the student, the program of work that she shall take in the light of her previous academic record, her experience and maturity, her intellectual interests, and professional plans.

Sufficiently able students may transfer to professional schools provided they meet the standards required by the University Committee on Admissions.

Courses in the Graduate Faculties Open to Barnard Students

Certain graduate courses in Columbia University under the Faculties of Political Science, Philosophy, and Pure Science which are listed in the Barnard

Announcement are open, with the consent of the department concerned and the Committee on Instruction, to qualified seniors. Since graduate work is on a different basis of credit from undergraduate work, a student in Barnard College may take graduate courses only if special arrangements have been made for the supervision of her work. Seniors of unusual ability may request permission to elect two graduate courses in their major field.

Graduate courses may be counted toward the Bachelor's degree when approved by the Committee on Instruction. An undergraduate of high standing, who is within 24 points of that degree, may register for graduate courses in partial fulfillment of the requirements for a higher degree, with the approval of the appropriate Deans. However, she can only receive graduate credit for the difference between 30 points and the number of points she needs in that year to complete the requirements for the Bachelor's degree.

For full information concerning the content of the courses, students are referred to the appropriate University announcements mentioned at the end of the departmental statements.

Degree with Honors

Degrees with honors will be awarded to students who have completed the work for the degree with highest distinction (*summa cum laude*), with high distinction (*magna cum laude*) and with distinction (*cum laude*).

GENERAL REGULATIONS REGARDING THE PROGRAM OF STUDIES, EXAMINATIONS IN COURSE, CREDIT, AND ADVANCEMENT

ELECTION OF COURSES. Before final choice of courses, all students should consult their advisers. (To avoid conflicting hours, see Scheme of Attendance, page 134.) For advice concerning an advantageous combination of courses in related departments, officers in the departments concerned should be consulted.

The following regulations should also be borne in mind:

1. No courses other than those specified in the Announcement may be taken except by students who are qualified to pursue them and have obtained the consent of the Committee on Instruction.
2. The election of courses under the Graduate Faculties of Political Science, Philosophy, and Pure Science is restricted to qualified seniors and requires the consent of the head of the Barnard department and of the Committee on Instruction. (For further details see page 28.)
3. Specific courses in the School of General Studies of Columbia University may be credited toward the Bachelor's degree under the following regulations:
 - a. Courses must be approved by the Committee on Instruction and by the Director of the School of General Studies.

- b.* Students cannot elect more than 16 points at one time, including the points of the School of General Studies, without special permission of the Committee on Instruction.
 - c.* Students desiring to count these courses toward the degree must obtain in them a grade of at least C.
 - d.* Fees for courses taken in the School of General Studies are not included in the regular tuition. Such fees will be added to the Barnard College bill.
4. No combination of courses amounting to less than 12 or more than 16 points may be made in any winter or in any spring session without the consent of the Committee on Instruction.
 5. No credit will be given for a one-hour course unless it is taken in connection with and as a supplement to a cognate course.
 6. No credit whatsoever is allowed for a course elected on an optional or audit basis, even though all work has been completed. If the student decides subsequently that she wishes credit, she must file a change of program in the Registrar's office.
 7. No more than four hours of class work, or its equivalent in laboratory work, or seven hours of class work and laboratory work combined, may be taken on the same day.
 8. Of the points required for the degree, at least 30 must be taken while the student is registered in Barnard College, and at least 15 during the senior year. A minimum of 12 points of the major must be taken at Barnard.
 9. The election of specific courses in a summer session must be approved by the Committee on Instruction of Barnard College. Except by special permission of the Committee on Instruction, any student whose average standing lies below 2.50 (see page 32) during the preceding academic year will be restricted to six points of work for a six-weeks' session and a proportionate amount for longer sessions.
 Summer session courses must be passed with a grade of at least C in order to be credited toward the Barnard degree. Additional credit for high standing is not given for summer work.
 No credit toward the degree will be allowed for work taken in a summer session without the previous approval of the Committee on Instruction, *unless a report is submitted within a month of the student's return to Barnard.*
 10. Tuesday at 1:10 p.m. is the Assembly hour. Academic meetings at which attendance is required are held at this time, and all students must keep the hour free from other engagements.

Time Limit for Counting Work toward a Degree. All requirements for a degree must be fulfilled by the candidate within six years from the time of her first matriculation as a freshman in college, whether at Barnard or else-

where; within four and a half years from similar matriculation as a sophomore; within three years from similar matriculation as a junior; and within one and a half years from similar matriculation as a senior. If the candidate fails to satisfy the requirements within the time here specified, she is to lose credit for all the points gained by her toward the degree unless the Faculty shall otherwise direct.

The Foreign Language Requirement. The foreign language tests are held in January, in May, and in September, and are open to students according to regulations announced by the Committee on Instruction. A student must pass the test before the beginning of her senior year. She will be suspended until the requirement is satisfied unless the Committee on Instruction permits her to remain for one session on probation with a limited program. A senior transfer who fails the test will be ranked as unclassified, with no promise as to when she will be recommended for the degree.

After a student has satisfied all other degree requirements she is permitted *only* two additional trials of the test.

Transfer students and entering freshmen who are well-grounded in a foreign language are advised to try the test on arrival.

Change of Program. No change of program, by adding or dropping a course, or by changing sections or the point-value of a course, may be made by a student without the written consent of the Committee on Instruction. Except on the initiative of the departments or the Committee on Instruction, such change will not be allowed for old students *after the first Monday after the opening of either the winter or the spring session*. New students are allowed an additional period of five days in which to make changes. All student-initiated changes, unless necessitated by exceptional circumstances, entail a fee of \$5. (See also paragraph on fees, page 24.)

Absences. All students are expected to attend regularly and promptly the courses for which they are registered. Any considerable amount of absence or tardiness will result in the lowering of a student's grade or the loss of one or more points of credit.

The attendance of students on the Dean's List is not supervised by the Committee on Instruction. Instructors, however, have authority to lower the grade in the case of undue absence or tardiness.

The attendance of all other students is under the supervision of the Committee on Instruction who, at the end of each semester, will deal with absences exceeding the number of class hours in any week, that is,

more than 1 absence from a class meeting 1 hour a week
more than 2 absences from a class meeting 2 hours a week
more than 3 absences from a class meeting 3 hours a week
more than 4 absences from a class meeting 4 hours a week
more than 5 absences from a class meeting 5 hours a week

Two latenesses equal one absence. Students are expected to reserve their absences for illness and other urgent reasons. Illness will be taken into consideration by the Committee on Instruction as a possible excuse for excess absence only if a statement is filed by the student in the Registrar's office immediately on her return to college.

Stated Examinations. Two series of examinations are held every year, one in January and the other in May. These are the only stated examinations. In 1949, the mid-year examinations begin on Monday, January 17, the final examinations on Monday, May 16.

Deficiency Examinations. Deficiency examinations are held only in September, preceding the opening of College. Such examinations must be taken in the September following the examination period in which the student was absent, or not later than the second September therefrom.

Students *in the last half of their senior year*, who are unavoidably absent during the January or May examination period, may request that arrangements be made for special examinations.

Deficiency examinations are open only to students who have been absent, for imperative reasons, from the stated examination, provided their work during the term has been satisfactory.

In all cases application for permission to take a deficiency examination must be made in writing. A fee of \$3.00, *payable in advance*, is charged for each deficiency examination (see page 24).

Grades and Credits. The student's performance in a course is rated according to the following grades: A, excellent; B, good; C, fair; D, poor; P, passed without specific grade; F, failure. The mark *Incomplete* is given only when the student has obtained, in advance, the permission of the instructor to postpone the submission of certain outstanding work which must be made up before a specific grade can be reported. Under the regulations of the Faculty, outstanding work that is not completed within three weeks after the end of the session automatically becomes an F.

Standing in college is determined by a valuation of each academic point according to the mark received. Each point with a mark of A counts 4; B, 3; C, 2; D, 1; F (or *Absent* or *Incomplete* until satisfied), 0. The average mark per point constitutes the student's rating.

No student may count in any one year more than six points of D work. In case more than four years is required for her degree, not more than 24 points of D work altogether may count toward the degree. Of several courses in which a student is marked D she may choose the ones to be counted. No work of grade D may count in the major of 28 points. No work of grade D taken in a summer session, in the School of General Studies, or in any other institution previously attended may be counted.

At the end of the sophomore year the records of all students will be scrutinized. Only those who have attained at Barnard College at least a C average (2.00 rating) or who have shown promise of future development will be permitted to continue in college and pursue the more advanced study of the junior and senior years.

In order to be recommended for the degree, each student must attain at Barnard College an average of C or above for the entire course and for the senior year.

If a student fails to attain a C average at the end of four years and consequently does not receive a degree at this time, the Committee on Instruction will consider her case and determine whether or not she may continue her candidacy for the degree.

Dean's List. At the end of each academic year, there will be compiled a Dean's List to consist of students who, in the opinion of the Committee on Honors, deserve special mention for scholarly excellence during the previous year. Names will be announced at the opening of the following academic year.

Additional Credit for High Standing. At the end of the winter and the spring session, additional credit for high standing is given as follows:

The grade A in courses aggregating six points of work entitles the student to one point of extra credit, provided she has carried a program of at least 12 points, has satisfactorily completed all the work of the session, and has not fallen below the grade B or received a report of *Absent*, *Incomplete* or *Deferred* in any course, including Physical Education. Additional credit for high standing is not given for summer session work.

Classification of Students. Matriculated students whose record is satisfactory to the Committee on Instruction are classified as follows:

Freshmen, those who have completed less than 24 points of academic work.

Sophomores, those who have completed 24 points.

Juniors, those who have completed 54 points.

Seniors, those who have completed 86 points.

Unclassified students,

those who have not yet been assigned definite credit on transfer,

senior transfers who have not passed the foreign language test,

those who are electing less than 10 points a term.

In all cases the requirements for promotion must be met in full before the beginning of the winter session.

A student who fails to meet the requirements for advancement from one class to another may, with the consent of the Committee on Instruction, remain in college and repeat the course or courses in which her deficiency exists, or take other courses equivalent thereto in time. She may not, however, register as a non-matriculated special student.

Should a student fail of advancement in two successive years, she shall be permanently dismissed from the College, unless the Committee on Instruction shall otherwise determine.

PROFESSIONAL SCHOOLS OF COLUMBIA UNIVERSITY OPEN TO BARNARD STUDENTS OR GRADUATES

The requirements for admission to the professional schools of the University vary: in some instances a Bachelor's degree is necessary; in others a student is eligible after three years, two years, or one year of successful college study. Since only a limited number of students can be accommodated, the most promising applicants are selected by the office of University Admissions.

Barnard College keeps in close touch with these schools and endeavors to give its students the best possible advice concerning preparation for them.

Barnard students preparing for admission to these professional schools must take at Barnard the courses in written and spoken English (English A), Hygiene A and Physical Education, normally required of all degree candi-

dates. They should also elect the subjects required by the special school they hope to enter.

Full information regarding each school may be obtained from its own special announcement, which will be sent on request by the Secretary of Columbia University.

THE PROFESSIONAL OPTION

It is possible for an unusually good student to shorten her course by means of the so-called "professional option"—a plan under which permission is given to count the first year in a professional school in place of the senior year at Barnard. To be eligible for this privilege, a student must complete at Barnard before transferring to the professional school 90 points of academic work, including all group requirements, and a major of 28 points, unless this number is reduced in individual cases by special permission of the Committee on Instruction.

Students transferring to Barnard from other institutions will be granted this privilege of the professional option only if they have an unusually good record and in no case will the permission of the Committee on Instruction be given until after the student has completed at least one full year of work in Barnard College.

The professional option is possible in connection with the Schools of Architecture, Dental and Oral Surgery, Engineering, Law, Medicine, and in special cases, Business.

ARCHITECTURE

The School of Architecture offers a course of study leading to the degree of Bachelor of Architecture. Under normal conditions, the professional degree may be obtained in four years.

The work at Barnard should include, among other courses, a full year in a foreign language (preferably French or German), in English, in mathematics, and in economics, or history, or government, or sociology. For students not candidates for the Barnard degree, at least one year (30 points) of college work, but preferably more, is required for admission to the School of Architecture.

BUSINESS

The School of Business offers a two-year course of study leading to the degree of Bachelor of Science. The applicant must complete two years (60 points) of liberal arts for admission. The preparatory work at Barnard should include two years of English, two years of a modern foreign language, one year of algebra, and one year of economics.

The School of Business also offers a one-year course of study leading to the degree of Master of Science for college graduates who have majored in business, a two-year course of study leading to the degree of Master of Business Administration for college graduates without previous preparation in business, and advanced studies leading to the degree of Doctor of Philosophy. For regulations governing admission and these graduate programs, consult the *Announcement of the School of Business*.

DENTAL AND ORAL SURGERY

The School of Dental and Oral Surgery offers a four-year course of study leading to the degree of Doctor of Dental Surgery. The preparatory work at Barnard should comprise a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, physics and zoölogy. Upon completion of these requirements, a dental aptitude test must be taken. The Admissions Committee of the School of Dental and Oral Surgery will consider carefully the entire predental record and select the most promising candidates. The minimum requirement for admission is three years (90 points) of college work.

ENGINEERING

The School of Engineering offers undergraduate courses in the several major branches: chemical, civil, electrical, industrial, mechanical, mining, and metallurgical engineering which lead to the degree of Bachelor of Science, and graduate courses leading to the degree of Master of Science. The various departments of the School also offer, under the Faculty of Pure Science, the degree of Doctor of Philosophy. For details see the *Announcement* of the *School of Engineering*.

The prescribed subjects of the freshman and sophomore years of the four-year program for the degree of Bachelor of Science can be taken by combining certain courses offered by Barnard College with courses offered by the School of Engineering. It is educationally desirable, however, that the prospective engineering student extend and broaden this required pre-engineering course to cover three years in Barnard College. Under this plan, known as the "professional option," Barnard College will then accept the successful completion of the regular junior year in the School of Engineering in lieu of the fourth year in Barnard College for the award of the degree of Bachelor of Arts. Upon completion of the senior year in the School of Engineering, the degree of Bachelor of Science will be awarded by that School. The student thus receives the degree of Bachelor of Arts in four years and Bachelor of Science in five.

Students who are interested in such a program should offer at entrance additional credits in mathematics (through trigonometry), one in chemistry, and if possible, one in physics.

For details of this program consult the Associate Dean.

INTERNATIONAL AFFAIRS

The purpose of the School of International Affairs is to provide a course of instruction which will equip a limited number of students for staff and administrative posts in international fields. The emphasis during the first year is upon the development of an adequate knowledge and understanding of the field generally; emphasis in the second year is upon the development of one of the following functional specialties: business affairs, economic affairs, government affairs, international administration, and legal affairs. The degree of Master of International Affairs will be awarded upon the satisfactory completion of the course.

The basic requirements for admission are: (a) a Bachelor's degree from an approved institution, (b) a distinctly superior undergraduate record, and (c) a better than average performance on the Graduate Record Examination. In addition to these basic requirements, the student must satisfy special requirements of the functional field in which she plans to specialize. Further information may be obtained from the Office of University Admissions.

THE RUSSIAN INSTITUTE

The Russian Institute of Columbia University was established in 1946 with the assistance of the Rockefeller Foundation. The two-year graduate program leading to a certificate is designed for students who wish to prepare themselves for scholarly or professional careers in the Russian field with a special emphasis in some part of that field.

Within the Institute, the candidate will be expected to concentrate on one of five Russian fields: history, economy, government and law, international relations, or the social and ideological aspects of literature. Outside the Institute, she will work simultaneously for an advanced degree in the graduate department or school that is most closely allied with the specialties she elects within the Institute.

JOURNALISM

The Graduate School of Journalism offers a one-year course leading to the degree of Master of Science. A Bachelor's degree is required for admission to this school. Undergraduate work should, wherever possible, include courses in English composition, government of the United States, history since 1914, economics and sociology. The applicant must have completed courses totaling 96 points in liberal arts and sciences.

LAW

The School of Law offers a three-year course of study leading to the degree of Bachelor of Laws. The preparatory work at Barnard must be of good grade, and should include satisfactory courses in English, in economics, and in English and United States history or the equivalent of such training. Upon completion of these requirements, the candidate's proof of fitness for study of law will be tested by a special capacity test unless waived by the Committee on Admissions. The minimum requirement for admission is three years (90 points) of college work, but the complete college course of four years is considered the most desirable preparation.

LIBRARY SERVICE

The School of Library Service offers a one-year course of study leading to the professional degree; also an advanced program for students who have completed such a year at the School of Library Service or at other accredited library schools, and who are otherwise qualified for research investigation.

For matriculation in this school a Bachelor's degree representing a balanced program of liberal arts subjects is required. The undergraduate work should include a reading knowledge of French or German and a knowledge of both

languages is strongly advised. Evidence of fitness for library work is required of all candidates.

MEDICINE

The College of Physicians and Surgeons offers a four-year course of study leading to the degree of Doctor of Medicine. The preparatory work at Barnard must be of good grade, must include the requirements prescribed by the New York Board of Regents for a qualifying certificate, i.e., approved courses in English, physics and biology, covering at least one academic year each, and approved courses in chemistry, covering at least one and one-half academic years, including an approved course in organic chemistry.

Before admission to the medical school the entire premedical record of each applicant is carefully examined in order that those who are adjudged the most promising candidates for the profession may be selected. While the minimum requirement for admission is three full academic years of college work, the complete college course of four years is considered the most desirable preparation.

NURSING

Columbia University offers a three-year course at the College of Physicians and Surgeons and the Presbyterian Hospital leading to the degree of Bachelor of Science and a diploma in nursing. The preparatory work at Barnard should comprise work in chemistry, biology, psychology and sociology. The acceptance of a candidate is based on grounds of character and health as well as on the fulfillment of the academic requirements. The minimum requirement for admission is two years (60 points) of college work but students who hold the Bachelor's degree may obtain permission to complete the course in two years and four months.

SOCIAL WORK

The New York School of Social Work, affiliated with Columbia University, offers a two-year course of study leading to the degree of Master of Science. The school prepares students for various types of positions in social work under both private and public auspices. Field work under the supervision of private and public agencies forms a considerable part of the curriculum.

For admission to this school a Bachelor's degree is required. The undergraduate curriculum should include a minimum of 20 points in social and biological sciences with the emphasis in the direction of the social sciences.

Enrollment is limited and the school selects from its technically eligible applicants students demonstrating fitness for training in social work. For details and for dates of application the general announcement of the school should be consulted.

PREPARATION FOR TEACHING

Preparation for students who intend to become teachers in nursery school, kindergarten, primary, elementary and secondary schools, and who must satisfy requirements for state teaching certificates, is provided through a program involving Columbia College, Barnard College, and Teachers College. At present, most of the states require at least a Bachelor's degree for all stu-

dents who expect to teach in nursery school, kindergarten, primary or elementary grades, and some states (including New York) require a Master's degree for all students who expect to teach in a secondary school. (There is an increasing trend toward a longer period of preparation.)

While it is possible for a few students to satisfy certain states' requirements during their undergraduate course, usually with some summer work in addition to the regular college programs, it is expected that undergraduates will plan for a fifth year leading to the Master's degree at Teachers College. During the undergraduate years courses should be planned carefully in order to serve as appropriate background for majoring in the respective departments at Teachers College in the fifth year. The undergraduate years may also include certain courses at Teachers College which are open to Columbia and Barnard students.

The candidate for the M.A. degree will spend the fifth year at Teachers College during which time there will be opportunity for graduate study in the University in subjects of the major interest as well as for work at Teachers College in the major department, student teaching, and foundations of education. The course requirements for the master's degree vary with departments at Teachers College and will in some cases necessitate a minimum of a summer session in addition to two academic semesters. Students should be well informed concerning such requirements before making their programs for the junior and senior years.

Since only especially qualified students will be admitted to the five-year program, application should be made to the Associate Dean of Barnard College early in the sophomore year.

UNION THEOLOGICAL SEMINARY

Union Theological Seminary offers courses of study leading to the degrees of Bachelor of Divinity, Master of Arts in the fields of Christian Education, of Biblical Literature and of Comparative Religions, and Master of Sacred Music.

Since accommodations at the Seminary are limited, it is necessary to select from the total number of applicants for admission those who seem best qualified, and who in the light of their expressed purpose, personality and record of scholarship give especial promise of usefulness in some form of Christian ministry. The requirement for admission to the courses of study at the Seminary is a Bachelor's degree including special work as indicated below for each degree:

a. *Bachelor of Divinity.* The preparatory work for this three-year course should include the study of philosophy, especially the history of philosophy, and courses in history, literature, economics, psychology, and at least one modern language, either French or German. A knowledge of Greek is desirable.

b. *Master of Arts* in the fields of Christian Education, Biblical Literature and Comparative Religions. Preparatory work for these courses should include (1) in Christian Education, some knowledge of the Bible, of the philosophy and ethics of the Christian religion, and of either the psychology of personality or the principles of education; (2) in Biblical Literature, a working

knowledge of Hebrew and Greek sufficient to proceed at once to exegesis based on the original languages of the Bible; (3) in Comparative Religions, a general knowledge of the history of religions and a working knowledge of such language as may be necessary for study in the candidate's field of special interest. Students with satisfactory preparation in these subjects may complete the work for the Master of Arts degree in one year.

c. *Master of Sacred Music*. Candidates for this degree must give evidence of the completion of an amount of work in music sufficient to enable them to enter with profit upon the courses in sacred music.

COURSES IN OCCUPATIONAL THERAPY

The Faculty of Medicine offers a program of professional study leading to a Bachelor of Science degree in Occupational Therapy. Students who have satisfactorily completed at least two years of acceptable work in a college approved by Columbia University may register for the regular course to be completed in two years (25 calendar months). The two years in liberal arts required for admission on this basis, 60 semester credits, should include a year of college science, and at least one semester in general psychology and one semester in sociology. Electives may be chosen from such subjects as languages, science, the humanities, and the social and political sciences. In addition, candidates for admission must possess personal qualifications and aptitude suited to the practice of occupational therapy. Whenever possible, aptitude will be judged in part by a personal interview.

A graduate program of 17 months is offered for students already possessing an A.B. or B.S. degree. The Faculty of Medicine awards a Certificate upon satisfactory completion of this course.

OPTOMETRY

A special committee of the University Council administers a course of study of professional subjects in optometry. The course leading to the degree of Bachelor of Science requires at least two years of academic work and two years of professional studies.

The requirement for admission to the junior class in the School of Optometry is the satisfactory completion of 60 points (excluding physical education) in an acceptable liberal arts college, distributed as follows: *Group I. Required*; one year each of the following—English, history or other social science subject, physics, zoölogy or physiology, and psychology; two years of mathematics through differential and integral calculus. *Group II. Recommended*; two years of a foreign language (German, French, or Spanish), an additional year of English and history.

PHYSICAL THERAPY

The Faculty of Medicine offers a program of training in Physical Therapy which leads to the Bachelor of Science degree. The candidate for admission must offer two years (60 semester hours) of acceptable college work, including a total of 12 to 16 semester hours of credit in the basic sciences (biology, zoölogy, anatomy, physiology, physics, and/or chemistry).

The course of professional study is a 21-month program including two academic years of didactic instruction and clinical practice plus one summer of clinical practice.

PUBLIC HEALTH

The Faculty of Medicine offers a program of professional study at the School of Public Health leading to the Master of Science degree. A Bachelor's degree from an approved college and evidence of satisfactory scientific training are necessary for admission. All candidates must spend at least one academic year at the school. Field work is required of those specializing in public health education or hospital administration.

CERTIFICATE OF PROFICIENCY IN SECRETARIAL STUDIES

Candidates for degrees in Columbia University and those who hold degrees from an accredited college or university may complete basic training in stenography, typewriting, and secretarial skills and upon examination obtain a Certificate of Proficiency in Secretarial Studies. Such a certificate and the training it represents will be found of value in connection with advanced study, research, and in gaining entrance upon a career in business, government, and the professions. For a descriptive pamphlet apply to the Director of University Admissions.

STATISTICS

	1889 to 1890	1899 to 1900	1904 to 1905	1909 to 1910	1914 to 1915	1919 to 1920	1924 to 1925	1931 to 1932	1932 to 1933	1933 to 1934	1934 to 1935	1935 to 1936	1936 to 1937	1937 to 1938	1938 to 1939	1939 to 1940	1940 to 1941	1941 to 1942	1942 to 1943	1943 to 1944	1944 to 1945	1945 to 1946	1946 to 1947	1947 to 1948
UNDERGRADUATES, REGULAR:																								
Seniors. . . . .	..	40	83	62	*123	87	*126	195	*213	170	*181	*189	*183	*200	*178	*164	172	180	*169	*173	*208	208	*257	*300
Juniors. . . . .	..	40	71	122	110	190	259	230	207	229	220	209	231	196	179	191	206	185	242	271	314	360	359	296
Sophomores. . . . .	..	37	75	109	191	193	234	232	233	233	226	232	199	188	193	210	212	195	254	248	314	360	310	307
Freshmen (regular)	4	54	110	188	240	224	271	282	262	241	267	241	257	234	236	246	248	257	291	350	324	311	301	265
Freshmen (partly regular)	10	..	..	..	..	..	..	63	93	87	103	132	135	140	137	143	129	138	57	89	56	40	40	31
Unclassified students. . . . .	..	..	..	..	..	..	57	63	93	87	103	132	135	140	137	143	129	138	57	89	56	40	40	31
SPECIAL STUDENTS:	14	171	339	481	664	694	947	1002	1008	970	997	1003	1005	958	923	954	967	979	1013	1131	1216	1279	1267	1199
Matriculated . . . . .	..	21	27	24	32	39	33	42	35	32	29	24	28	28	31	31	27	30	27	23	21	27	..	21
Nonmatriculated . . . . .	..	..	..	30	32	22	33	42	35	32	29	24	28	28	31	31	27	30	27	23	21	27	..	21
Departmental (1889-1896)	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19	..
Music students (1896-1904, 1914-1915) . . . . .	..	41	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRADUATE STUDENTS (1890- 1900)	22	62	27	54	69	61	33	42	35	32	29	24	28	28	31	31	27	30	27	23	21	27	19	21
TOTAL STUDENTS PRIMARILY REGISTERED AT BARNARD . . . . .	..	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STUDENTS FROM COLUMBIA UNIVERSITY.	36	315	366	535	733	755	980	1044	1043	1002	1026	1027	1033	986	954	985	994	1009	1040	1154	1237	1306	1286	1220
STUDENTS FROM TEACHERS COLLEGE . . . . .	..	..	62	59	28	80	153	167	143	118	163	171	174	114	119	92	88	66	60	37	77	83	106	109
TOTAL STUDENTS FROM OTHER PARTS OF THE UNIVERSITY. . . . .	..	18	77	200	*108	38	50	46	29	37	21	48	25	22	26	20	25	11	8	1	12	15	12	18
TOTAL REGISTRATION. . . . .	..	18	139	259	136	118	203	213	172	155	184	219	199	136	145	112	113	77	68	38	89	98	118	127
DEGREES CONFERRED:	36	333	505	794	869	873	1183	1257	1215	1157	1210	1246	1232	1122	1099	1097	1107	1086	1108	1192	1326	1404	1404	1347
A.B., . . . . .	..	39	83	88	141	139	198	219	231	200	221	219	210	245	216	206	209	221	201	216	270	276	287	..
B.S. (1909-1918) . . . . .	..	18	2	5	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A.M. (1898-1900) . . . . .	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ph.D. (1895-1900) . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TOTAL BACHELORS' DEGREES CONFERRED 1893-1947: A.B.: 8033: B.S.: 77.

* The figures for seniors include students counting the first year in a professional school of the University in place of the fourth year at Barnard as follows:

1913-14	18 in Education	1924-25	1 in Medicine	1932-33	2 in Journalism,	1937-38	3 in Law
1914-15	3 in Education	1926-27	2 in Medicine		2 in Medicine	1938-39	1 in Architecture,
1916-17	1 in Journalism	1927-28	1 in Architecture,	1934-35	1 in Law,		1 in Medicine
1921-22	1 in Journalism		1 in Business,		1 in Medicine	1939-40	1 in Business,
1922-23	1 in Journalism		2 in Journalism	1935-36	1 in Architecture,		1 in Law
1923-24	2 in Journalism,	1928-29	1 in Architecture,		4 in Law	1942-43	1 in Law
	1 in Medicine		1 in Journalism	1936-37	2 in Medicine	1943-44	1 in Law
						1944-45	1 in Law
						1946-47	1 in Medicine
						1947-48	2 in Medicine
							1 in Law

DEPARTMENTAL STATEMENTS

The following general regulations apply to all courses. The paragraphs on "The Program of Studies," page 25, should be carefully read.

PREREQUISITES AND CREDIT. Admission to courses depends upon completion of the prerequisites as stated for each course. When no department is named, it is to be assumed that the reference is to a numbered course in the same department. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the winter or of the spring session in which the course is given. Where no prerequisite is stated and where no limitation is noted, the course may be taken for the degree by any student of the college.

No credit in points will be given for a course which is taken subsequent to the course or courses for which it is in any way a prerequisite, though not formally so announced. Courses must be taken for the credit value announced—for no more or no less.

EXAMINATION GROUPS. Courses in Barnard College are arranged in examination groups in order to avoid conflicts on the examination schedule. These groups are indicated by Arabic boldface numerals in brackets immediately following the statement of points. *Group O* includes courses which ordinarily do not have set examinations. No student may elect two courses in the same examination groups (except *Group O*) *without making special arrangements through the Registrar's office for doing so.* (See page 130.)

DESIGNATION OF COURSES. Courses designated by capital letters are required. Elective courses are designated by numbers, odd numbers indicating the winter session, and even numbers the spring session. A course which runs throughout the year is therefore designated by an odd number and the succeeding even number. The numbers from 1 to 99 inclusive are given to courses open only to undergraduates; the numbers from 100 to 199 inclusive are given to courses open to both undergraduates and graduates, the lowest numbers in each case being used for the introductory courses.

R courses: Odd numbers preceded by prefix "R" indicate a course repeated in the spring session that is normally given in the winter session. Even numbers preceded by prefix "R" indicate a course offered in the winter session that is normally given in the spring session.

Indivisible courses are announced with a hyphen between the numerals (e.g., History 1-2) and are regarded as full-year courses of which the first half is always assumed to be prerequisite for admission to the second half. No credit will be given for work dropped at the midyear or before the completion of the course without the written consent of the instructor and the Committee on Instruction.

Divisible courses are announced with a comma between the numerals (e.g., English 1, 2). Of these courses the first half may be taken separately but is ordinarily assumed to be prerequisite to the second half. *Therefore, admission to the second half of a divisible course is granted only when all prerequisites have been met and the written consent of the instructor obtained.*

A Roman numeral in parentheses after the hour indicates the section number (e.g., M., W., and F. at 9 (I), at 10 (II), etc.)

COURSES AT COLUMBIA UNIVERSITY OR TEACHERS COLLEGE. Courses marked with an asterisk (*) are Columbia courses open to Barnard students. (See page 28.)

Courses marked with a dagger (†) are given at Teachers College. *Work at Teachers College mentioned herein may be pursued only by regularly enrolled students of Barnard College and only when counting toward the Barnard College degree. Certain courses not here specified as being open at Teachers College may, through the courtesy of Teachers College and with the consent of the Committee on Instruction, be taken by specially qualified seniors.*

WITHDRAWAL OF COURSES. When an announced course has not been applied for by at least three candidates for the degree, the instructor may withdraw it.

TEXTBOOKS, etc. For further information in regard to topics, textbooks, or methods in any particular course students are referred to the instructor.

INTERDEPARTMENTAL MAJORS

AREA STUDIES AND INTERNATIONAL RELATIONS

Designed to provide a foundation for the education of students to be good citizens of a world of international coöperation, and also a foundation for the further advanced training of those who will later specialize and work actively in international affairs.

(Students desiring such advanced training may after graduation from Barnard go on to graduate study in a special field or to such professional schools as the School of International Affairs at Columbia University.)

These International Relations and Area Studies majors are open only to a limited number of unusually well-qualified students whose applications for admission are approved by the Committee in charge. Students should apply at the Registrar's office before April 15 of their sophomore year.

Freshmen looking forward to choosing one of these majors should consult the Freshman Adviser, PROFESSOR RICH.

Committee for 1948-49: DEAN MCINTOSH, Chairman, PROFESSORS PEARDON and REYNARD and DR. MURET.

I. American Studies

Officer in charge for 1948-49, DR. HYDE

Designed to permit students to concentrate on the character of our own country, its traditions, its ideals and its institutions; and also its relation to other nations and its place in world affairs.

Students looking forward to becoming majors in American Studies are advised to take the following courses during their freshman and sophomore years.

A. *History* 3, 4 or 9-10 (to be taken preferably in the sophomore year)

B. At least 12 points from the following basic courses:

<i>Economics</i> 1, 2	<i>History</i> 33-34
<i>Economics</i> 14	<i>History</i> 37, 38
<i>English</i> 77, 78	<i>Philosophy</i> 70
<i>Geology</i> 28	<i>Sociology</i> 1-2
<i>Government</i> 1, 2	

After being admitted as majors, students will take:

- A. *American Studies* 1-2 in their junior year and *American Studies* 3-4 (the senior seminar) in their senior year.
- B. A combination of courses emphasizing one of the following fields of specialization, the selection of field and courses to be approved by the adviser in charge: economics, government, history, literature and philosophy, sociology, international relations.
- C. Additional courses in American Studies and related subjects to be approved by the adviser.

AMERICAN STUDIES COURSES

A. Open only to American Studies majors.

AMERICAN STUDIES 1-2. Discussions, forums and field trips dealing with a variety of American traditions and contemporary problems. Reading and conferences designed to integrate these experiences into the student's knowledge of American affairs. *Required of junior majors in American Studies. Usually 2-4 on alternate Tuesday afternoons. 2 points. [9]* PROFESSORS REYNARD, RAUCH, and KOUWENHOVEN, and DR. HYDE.

AMERICAN STUDIES 3-4. Seminar for senior majors in American Studies. MEMBERS OF THE DEPARTMENTS OF ECONOMICS, ENGLISH, GOVERNMENT, HISTORY, PHILOSOPHY AND SOCIOLOGY will participate.

Open only to senior majors in American Studies. Tu., 4-6, and frequent conferences. 8 points. [12]

Officer in charge, MR. CLARK.

B. Open not only to American Studies majors but also to other students.

[AMERICAN STUDIES 11. AMERICAN SOURCES FOR CREATIVE WRITING. A study of the sources used by selected writers for fictional and non-fictional portrayal of American life. Each student will be given an opportunity to acquire source material of her own and will be assisted in using such sources in creative writing. 2 points. *Not given in 1948-49.*]

PROFESSOR REYNARD.

[AMERICAN STUDIES 13-14. THE HISTORY OF AMERICAN THOUGHT. The development of the main stream of political, religious, philosophical, and economic thought from Puritanism to the present.

Open to properly qualified juniors and seniors, with the consent of the in-

structors. Given only if at least 10 students register. 6 points. Not given in 1948-49.]

PROFESSORS REYNARD, HARRINGTON, RICH, and MR. CLARK.

AMERICAN STUDIES 15. THE ARTS IN AMERICAN CIVILIZATION. The development of two distinct traditions of design in America, one derived from Western European sources and the other from the immediate experience of a people living under democratic institutions in a machine economy. The interaction of these two traditions will be traced in architecture, painting, literature and music, with some reference to such "new" arts as cartoon strips and movies.

Open to sophomores, juniors, and seniors, with the written consent of the instructor. M. at 3 and Th. 2-4. 3 points. [10]

PROFESSOR KOUWENHOVEN.

AMERICAN STUDIES 16. REGIONALISM IN THE UNITED STATES. A study of the characteristic cultures of various regions of the United States, with special attention to regional literature, English, French, Spanish. *Th., 2-4 and frequent conferences. 3 points. [9]*

DR. HYDE.

[AMERICAN STUDIES 17. THE LEGEND OF AMERICA. Foreign conceptions of some of America's basic literary and cultural traditions which have influenced world opinion of America; such traditions as *The Brave New World*, *The Holy Commonwealth*, *The Noble Savage*, *The Franklin Legend of the Natural Man*, *The Land of the Free*, *The Yankee Trader*, *The Lincoln Legend of Homespun Wisdom*, *The Selfmade Man*, *The Melting Pot*, *Titanism*, (ideas about big business and mass production), *Movieland*, *The Roosevelt Legend of the Good Neighbor*.

2 or 3 points. Third point, conferences and visits to the United Nations. Not given in 1948-1949.]

PROFESSOR REYNARD.

[AMERICAN STUDIES 18. THE STRUCTURE OF LEARNING IN AMERICA. The fundamentals of learning. The spread of education. The varieties of training. The structure of colleges and universities. The foundations for research and higher learning. Books and libraries. The commercialization of knowledge. Some comparison of our American systems with the organization of the fields of knowledge in other countries. 3 points. Not given in 1948-49.]

PROFESSOR REYNARD.

II. Foreign Areas Studies

Officer in charge for 1948-49, —————

Based on a foundation of general courses in the social sciences and the command of at least one foreign language, Foreign Areas Studies are designed to enable students to concentrate on the civilization of some one area or country of the world.

Students who wish to major in Foreign Areas Studies must pass the foreign

language test (page 31) before becoming majors. They should also take in their freshman and sophomore years at least 12 points in the social sciences.

After being accepted as majors students will be expected to specialize in the study of one country or region. For this purpose they will continue their work in language and will take such courses in the history, literature, and institutions of their chosen area as may be determined in consultation with their adviser, including at least one course either in history, in government, or in international relations. In the fourth year they will be required to take an inter-departmental seminar in Foreign Areas Studies.

(Besides the language courses given in Barnard additional courses in Russian and courses in Chinese, Japanese, Arabic, and other languages are available at Columbia for Barnard students.)

Areas of concentration:

1. England, PROFESSOR ROBERTSON
2. Far East, MRS. GASTON-MAHLER
3. France, PROFESSOR HOFFHERR
4. Germany, PROFESSOR PUCKETT
5. Italy, PROFESSOR CARBONARA
6. Latin America, PROFESSOR DEL RIO
7. Near and Middle East, PROFESSOR CARRIÉ
8. Russia, MISS SALVIN

Lists of specific courses available in Barnard and in other parts of the University for each area can be obtained from the adviser. The following are suggested as particularly suitable in several fields:

1. ENGLAND. *Government 143*: (Government of England) and *Government 144*: (Governments of the British Dominions), PROFESSOR PEARDON. *History 139-140*: (European Thought and Culture in the Nineteenth Century), PROFESSOR BARZUN.
2. FAR EAST. *Fine Arts 191, 192*: (The Art of Asia), MRS. GASTON-MAHLER. *History 191-192*: (Modern History of the Far East), PROFESSOR GARDNER. *History 193-194*: (History of Chinese Civilization), PROFESSOR GOODRICH. *History 195*: (History of Japan and Japanese Civilization), SIR GEORGE SAN-SOM. *History 297A-298A*: (History of Japanese Religion), MR. TSUNODA. *History 297B-298B*: (History of Japanese Thought), MR. TSUNODA.
5. ITALY. *Italian 101*: (A Survey of the History of Italian Literature), PROFESSOR PREZZOLINI.
6. LATIN AMERICA. *History 187*: (Latin American History), PROFESSOR TANNENBAUM.
8. RUSSIA. *Slavic Philology 101*: (Slavic Peoples, Their Languages and Civilization), PROFESSOR JAKOBSON. *Russian 108*: (Russian Literature of the Eighteenth Century), PROFESSOR MANNING. *Russian 133*: (Russian Institute, Soviet Russian Literature), PROFESSOR SIMMONS. *Russian 134*: (Russian Institute, The Drama and Theater of Soviet Russia), PROFESSOR SIMMONS. *History 147*: (Russia in the Imperial Age), PROFESSOR ROBINSON. *History 148*: (The Russian Revolution), PROFESSOR ROBINSON.

FOREIGN AREAS STUDIES 51-52. Senior Seminar in Foreign Areas Studies. Special studies and reports by each member of selected aspects of her area of concentration; group discussion; field trips; discussions with members of several departments. Full-year course. *Open only to majors in Foreign Areas Studies. W. 3-5. 6 points. [0]*

Interdepartmental course. Officer in charge, DR. MURET.

III. International Relations

OFFICER IN CHARGE FOR 1948-49, PROFESSOR PEARDON

Designed for those students who, with a special interest in the social sciences, wish to concentrate on the structure, forces, and problems of modern international society.

Students who wish to major in International Relations should take the following courses in their freshman and sophomore years: *Economics 1, 2; History 1-2; A course in Geography*. They are expected to pass the foreign language test normally by the end of the sophomore year and are advised to continue the study of foreign languages throughout their college course whenever that is possible.

In the junior and senior years, majors in International Relations will be expected to take courses in international politics, international trade and finance, and in recent history. In the senior year, also, they will be required to take an interdepartmental seminar.

INTERNATIONAL RELATIONS 81-82. Senior seminar in International Relations. Individual and group analysis of important problems and trends in the field of international relations.

Open only to senior majors in International Relations.

MEMBERS OF THE DEPARTMENTS OF ECONOMICS, GEOGRAPHY, GOVERNMENT AND HISTORY. *Tu., 4-6. 6 points. [0]*

Officer in charge, MISS SALVIN.

OTHER INTERDEPARTMENTAL OFFERINGS

A major in economics and government. Students majoring in economics and government will be required to take:

Economics 1, 2, 13 or 14, 17 or R17, 27 or 27 and 28. Government 1, 2, 3, 4, and at least one additional course in government.

Other social sciences. See departmental statements.

A major in government and history. Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. History 1-2, 9, 10, 45, and at least one additional course in history.

Other social sciences. See departmental statements.

A major in government and sociology. Students majoring in government and sociology will be required to take:

Government 1, 2, 3, 4 and 23, 24 or 49, 50. *Sociology* 1-2, *Economics* 17 and at least 9 additional points in sociology.

Other social sciences. See departmental statements.

A major in economics and sociology. Students majoring in economics and sociology will be required to take:

Economics 1, 2, 13 or 14, 17 or R17, 27 or 27, 28; *Sociology* 1-2 and any pair of courses from the following list of paired courses: 31, 32; 33, 34; 41, 42; together with at least one additional course in economics or in sociology. Only one introductory course may count toward the major.

Other social sciences. See departmental statements.

INTERDEPARTMENTAL COURSES

AMERICA AND THE FUTURE

PHILOSOPHY 91, 92. SCHEMES FOR A BETTER WORLD—A BACKWARD LOOK OVER THE UTOPIAN IDEALS OF THE PAST, AN APPRAISAL OF PLANS FOR THE POST-WAR WORLD AND A TAKING STOCK OF THE MEANS TO AN ULTIMATE ACHIEVEMENT OF THE GOOD LIFE IN THE MORE DISTANT FUTURE. The required reading will include the more important Utopias from Plato to the present time supplemented by certain great satires on man and society and works in the field of the social sciences. Class meetings will be devoted in part to a consideration of the texts and in part to symposia in which members of the staff and guest speakers will discuss with one another and with the students the major difficulties that lie in the way of attaining world peace, prosperity, and happiness. In place of a final examination each student will write a serious term paper in which, within the frame of her own conception of the good life, she will treat of that aspect of the problem which she is best equipped to handle.

Open to juniors and seniors and specially qualified sophomores on written permission of the department. The course may count toward a major in philosophy and in other subjects with the consent of the departments concerned. W., 3-5. 4 or 6 points in Group III. [0]

PROFESSORS PARKHURST and RICH with the collaboration of MR. SMITH and guest speakers.

ANTHROPOLOGY

GLADYS A. REICHARD, Ph.D., Associate Professor of Anthropology,
Executive officer

The Department of Anthropology offers two majors:

1. *A major in anthropology.* This major will satisfy the requirements in Group III. Students majoring in this subject must fulfill the 14-point requirement in Group II in subjects other than anthropology. For other students, courses in anthropology will count toward the group requirement as indicated for each course by the statement made in connection with the point value.

Students majoring in anthropology will be required to take: (a) a comprehensive examination in three parts (three hours each) of which one will be in language, the other two according to the work pursued by the individual student, and (b) the following courses in

Anthropology. Courses 1, 2, or 3, 4.

Other fields: A reading knowledge of German, and courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

2. *A major in linguistics.* The object of the linguistics major is to enable students gifted in language to count work in more than one language department toward the major. Students may major in linguistics who would be accepted as majors in some language department other than their native language. The major in linguistics will satisfy the requirements in Group I.

Students majoring in linguistics will be required to take: (a) a comprehensive examination in three parts (three hours each) to be determined by the work taken by the individual student, (b) one course in which the international phonetic system is taught, (c) an introduction to one exotic language (e.g., an American Indian language, Russian, Chinese, Japanese), (d) one course in the history of the development of a language, and (e) the following courses:

Anthropology. Courses 5, 6, 7 and 8. (Any other courses in anthropology will be counted as they are for other students in Group I.)

Other courses. Courses in literature and the history of language given in other language departments may count toward the linguistics major.

[1, 2. INTRODUCTION TO ANTHROPOLOGY. Physical relationships, language and customs of New World tribes. Their contribution to civilization, theories of origin and development.

Open to all except freshmen. 8 points in Group III. Not given in 1948-49.]

PROFESSOR REICHARD.

3, 4. INTRODUCTION TO COMPARATIVE ANTHROPOLOGY. Problems of race; the growth of civilization; the historical development of ideas, forms of art, society and religion. The application of anthropological data to modern social problems; the development of reason; the emotional attitudes determining behavior; the influence of patterns determining lines of thought and action; the individual and society. *Lectures: Tu. 9-11, Th. at 9. Laboratory (2 hours) at American Museum of Natural History at hours to be arranged.*

Open to all except freshmen. Either half of this course may be taken separately. 8 points in Group II. [6]

PROFESSOR REICHARD.

Courses 1, 2 and 3, 4 are ordinarily given in alternate years.

5, 6. INTRODUCTION TO LINGUISTICS. The meaning of language and its relationship to thought and behavior. The dependence on language of cultural forms including literature, with examples from Spanish, French and German. Intensive analysis of modern languages; semantics and its relation to spoken language and literature.

Especially recommended for foreign students and students interested in

language and linguistic problems. W., 3-5. (Hours may be changed to suit students registering for the course.) 4 points in Group I. [10]

PROFESSOR REICHARD.

[7, 8. THE STUDY OF UNWRITTEN LANGUAGES. Intensive study of exotic languages. Relationship of language to social and political problems.

Open only on written permission of the instructor. 4 points in Group I. Not given in 1948-49.]

PROFESSOR REICHARD.

[13. PRIMITIVE SOCIAL LIFE. Tribal and family organization and its reflections on marriage customs, political purpose and territorial expansion; prestige, property, wealth, inheritance, position of women, education; birth, puberty and funeral customs; the relation of the individual to his environment and comparison of modern and primitive societies.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Not given in 1948-49.]

PROFESSOR REICHARD.

[14. MAN AND THE SUPERNATURAL. Primitive religion: the effect of religion on motivations and behavior with emphasis on practical and administrative problems of native peoples (Africa, Asia, and the Pacific Islands, North and South America). Rationalistic and emotional factors in religious life. The relationship of religion to other phases of culture. Theories of origins and development.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Not given in 1948-49.]

PROFESSOR REICHARD.

[17. PROBLEMS OF RACE. The meaning of race: biological, linguistic, economic, social, religious, political. The nation and the melting pot. Composition and distribution of world populations and their significance. Change in populations due to heredity, environment, migration. The basis of prejudice.

Open to sophomores, juniors, and seniors. 3 points in Group III. Not given in 1948-49.]

PROFESSOR REICHARD.

51, 52. SEMINAR: PROBLEMS IN ANTHROPOLOGY. The specific subject for discussion will be determined by the interests of the students electing the course.

Open only to students who have had at least one course in anthropology and with the written permission of the instructor. May be taken two years in succession. 4 points in Group III. Hours to be arranged.

PROFESSOR REICHARD.

53, 54. SEMINAR: THE NAVAJO INDIANS. Phases of Navajo organization and discussion of attitudes; special attention to contact with whites and Department of Indian Affairs.

Given when requested by specially interested students on written permission of the instructor. 4 points in Group III. Hours to be arranged.

PROFESSOR REICHARD.

107. **TRADITIONAL LITERATURE.** Primitive literature in the old and new worlds. Form and content of tradition: the proverb, riddle, folk tale, myth, fairy tale, romance, adventure, novel, verse, and song. Types of character and plot. Mythological styles defined. This course aims to acquaint students with valuable material which is not generally known, and to consider mythological theories.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. Tu. at 2, Th., 1-3. [9] 3 points in Group I.

PROFESSOR REICHARD.

108. **THE ART OF PRIMITIVE MAN.** Control of technic; geometrical and representative design. Art of various groups defined. A study of proportion, of design, line and mass; of rhythm, symmetry and balance; of color. The attitude of the artist and of the social group. Theories of art.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. Tu. at 2, Th., 1-3. [9] 3 points in Group I.

PROFESSOR REICHARD.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Political Science.

ARCHAEOLOGY

See Fine Arts and Archaeology and Greek and Latin

ASTRONOMY

HENRIETTA H. SWOPE, A.M., Associate in Astronomy,
Executive officer

1-2. **GENERAL ASTRONOMY.** This course leads to an understanding of our knowledge concerning the structure of the solar system and the sidereal universe. Full-year introductory course.

Tu. and Th. at 11 and third hour to be arranged for observatory work. 6 points. [8]

MISS SWOPE.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Pure Science. Students wishing to continue work in astronomy should note the prerequisites for the advanced courses and plan their work accordingly.

BOTANY

¹CORNELIA L. CAREY, Ph.D., Associate Professor of Botany,
Executive officer

_____, Assistant Professor of Botany
VICTOR R. LARSEN, JR., M.A., Instructor in Botany

RUTH E. BRIGGS, A.B., Assistant in Botany

MARY ESTHER BRIGGS, A.B., Assistant in Botany

A major in botany. Students majoring in botany will be required to take: *Botany. Courses 51-52, 53-54 or 55-56* and such other courses, subject to the approval of the department, as meet the particular needs and purposes of each student. Only one of the two courses, 57 and 60, may be counted toward a major.

Other fields. Other courses according to the special needs of the student.

Major students are permitted to use a limited space in the greenhouse for practical work in plant propagation.

51-52. GENERAL BOTANY. Full-year course.

A portion of the laboratory work is conducted in the greenhouse and occasional field trips are required.

Lectures: Tu. and Th. at 9 and Th. at 1. Laboratory (4 hours): Tu. and Th., 10-12 or 2-4, or, if more than 60 students elect the course, M. and W., 1-3. 10 point. [6]

PROFESSOR CAREY, MR. LARSEN and MISS FRANZ.

51a-52a. GENERAL BOTANY. Lectures identical with those of 51-52. No laboratory work. Full-year course.

To follow or parallel: a laboratory science. Tu. and Th. at 9 and Th. at 1. 6 points in Group II. [6]

PROFESSOR CAREY and STAFF.

53-54. GENERAL MORPHOLOGY OF PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. Occasional field trips are required. M. and W. at 11. Laboratory (4 hours): M. and W., 1-3. 8 points. [3]

MR. LARSEN.

[55-56. STRUCTURE AND RELATIONSHIPS OF FLOWERING PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. 8 points. Not given in 1948-49.]

57. THE HISTORY AND USES OF PLANTS. The place of plants in the biological picture; their utilization and significance to man.

This course does not satisfy the requirement of a laboratory science. Lectures: M. and W. at 9. Demonstrations, conferences, and trips: Th., 2-4. 3 points. [1]

MR. LARSEN.

¹ Absent on leave, spring session, 1948-49.

[58. GENERAL PLANT PHYSIOLOGY.

Prerequisite, Course 51-52. 5 points. Not given in 1948-49.]

PROFESSOR CAREY.

59. GENETICS. Mendelian principles of heredity, sex determination and differentiation, genetic control of development.

Prerequisite, a year of college work in either botany or zoölogy except on written permission of the instructor. Lectures: M. and W. at 3. Laboratory or conference (4 hours): M. and W., 4-5, F., 3-5. 4 points. [10]

60. PLANT CULTURE. Theoretical discussions and practical work on plant propagation.

No previous knowledge of botany is required. This course does not satisfy the requirement of a laboratory science. Open only on written permission of the instructor. Lecture: M. at 4. Laboratory (4 hours): M. 3-4. F. 1-4. 3 points. [10]

[62. MICROTECHNIQUE. Lecture and laboratory work in the theory and practice of fixing, sectioning and staining plant material.

Prerequisite, Botany 51-52. 3 points. Not given in 1948-49.]

MR. LARSEN.

[64. GENERAL BACTERIOLOGY.

Open only to science majors of junior or senior standing. 5 points. Not given in 1948-49.]

PROFESSOR CAREY and MISS BRIGGS.

68. CYTOLOGY. Study of the nucleus and chromosomes, their structure and behavior considered in relation to taxonomic and genetic problems. Emphasis in the laboratory will be upon rapid smear technics and photomicrography.

Prerequisite, Botany 59. Open to qualified juniors and seniors. M. and W. at 1. Laboratory (6 hours): Tu. and Th., 9-12. 5 points. [4]

151. BACTERIA AND FERMENT FUNGI. General laboratory technic in bacteriology, standard methods of water analysis. Lectures will include the chemistry of bacteria.

Prerequisite, at least a year of college work in either botany or zoölogy. Preceding or parallel, organic chemistry. Open only to properly qualified juniors and seniors. Lectures: M. and W. at 1. Laboratory (6 hours): M. and W., 9-12 or 2-5, or hours to be arranged. 5 points. [4]

PROFESSOR CAREY and MISS BRIGGS.

[152. BACTERIA AND FERMENT FUNGI. Pathogenic forms, food, and immunity. 5 points. Not given in 1948-49.]

PROFESSOR CAREY and MISS BRIGGS.

[160. PHYSIOLOGICAL MICROBIOLOGY. General physiology of micro-organisms. Reading and reports on contemporary literature. Technic and cultivation of various groups adapted to the needs of students.

Open only on written permission of the instructor. Lectures (2 hours) and laboratory (4 to 6 hours) to be arranged. 3, 4 or 5 points. Not given in 1948-49.]

PROFESSOR CAREY.

161, 162. ADVANCED MORPHOLOGY AND PHYSIOLOGY. Work will be planned to suit the needs of the students after consultation with the instructors.

This course may be taken in successive years. Hours and credit by arrangement. [0]

PROFESSORS CAREY and STEWART.

CHEMISTRY

HELEN R. DOWNES, Ph.D. (Cantab.), Professor of Chemistry,
Executive officer

EDWARD J. KING, Ph.D., Assistant Professor of Chemistry

EMMA D. STECHER, Ph.D., Assistant Professor of Chemistry

JUDITH BREGMAN, A.B., Instructor in Chemistry

GRACE WENTWORTH KING, A.B., Lecturer in Chemistry

ARDIS PAUL, M.A., Lecturer in Chemistry

A major in chemistry. Students majoring in chemistry will be required to take:

Chemistry. Course 1-2 or 5-6; 63, 64, and 41-42. Courses 105, 106 are strongly advised.

Other fields. Physics—a year's work in general physics. *Mathematics 1* and 22. A course in calculus is advised. A reading knowledge of German to be acquired by the beginning of the third year's work. A reading knowledge of French is also advised.

1-2. GENERAL INORGANIC CHEMISTRY. Full-year course (*primarily for freshmen*).

Lectures: Tu. and Th. at 10 and a third hour, S. at 10 or F. at 1. Laboratory: Tu., W. or Th., 2-4:30. 8 points. [7]

PROFESSOR DOWNES and assistants.

1a-2a. GENERAL INORGANIC CHEMISTRY. Lectures identical with those of 1-2. No laboratory work. Full-year course.

Prerequisite, preceding or parallel: a laboratory science. Tu. and Th. at 10 and F. at 1. 6 points. [7]

PROFESSOR DOWNES.

5-6. GENERAL INORGANIC CHEMISTRY. This course is intended for students whose high school chemistry fits them for a more advanced treatment of

inorganic chemistry than is given in *Course 1-2*. A qualifying test will be given at beginning of term to students electing this course.

Lectures: Tu., Th. and S. at 10. Laboratory: M., 2-4:30. 8 points. [7]

PROFESSOR KING and assistant.

63. QUALITATIVE ANALYSIS.

Prerequisite, Course 1-2 or 5-6. Preceding or parallel, Mathematics 1 and 22. Laboratory deposit, \$10. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 1-4 or Tu. and Th., 2-5. 6 points. [2]

MISS BREGMAN.

64. QUANTITATIVE ANALYSIS.

Prerequisite, Course 63. Laboratory deposit, \$10. Lectures: Tu. and Th. at 9. Laboratory (8 hours): M. and W., 1-5 or Tu. and Th., 2-6. 6 points. [6]

66. QUANTITATIVE ANALYSIS, SPECIAL COURSE.

Prerequisite, Course 1-2 or 5-6. Laboratory deposit, \$12.50. This course is intended for students who are not chemistry majors. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 1-4 or Tu. and Th., 2-5. 6 points. [1]

MISS BREGMAN.

67, 68. QUANTITATIVE ANALYSIS, ADVANCED COURSE.

Prerequisite, Course 63, 64. Laboratory deposit, \$12.50 each session. This course is designed to meet the needs of individual students and will be given for a class of five or more. Hours to be arranged. 8 points.

MISS BREGMAN.

41-42. ORGANIC CHEMISTRY. Full-year course.

Prerequisite, Course 1-2 or 5-6 and, except on written permission of the department, Courses 63, 64. Laboratory deposit, \$12.50 each session. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12. 12 points. [1]

PROFESSOR STECHER and assistant.

41a. ORGANIC CHEMISTRY, SHORT COURSE.

Prerequisite, Course 1-2 or 5-6. Laboratory deposit, \$15. This course will be given for a class of five or more. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 6 points. [1]

PROFESSOR DOWNES and assistant.

105, 106. PHYSICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Physics 11-12 and a course in calculus. Laboratory deposit, \$15 each session. Lectures: M., W. and F. at 10. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 12 points. [2]

PROFESSOR KING.

145, 146. ORGANIC CHEMISTRY, ADVANCED COURSE.

Prerequisite, Courses 1-2 or 5-6, 63, 64, 41-42. Laboratory deposit, \$15 each

session. Lectures: M., W. and F. at 1. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 12 points. [4]

PROFESSOR STECHER.

150. PHYSIOLOGICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Zoölogy 1-2. Zoölogy 98 is strongly recommended as a parallel course. Laboratory deposit, \$15. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 2-5. 6 points. [3]

PROFESSOR DOWNES.

137, 138. PROBLEMS IN CHEMISTRY. Lectures, conferences, and laboratory work on advanced topics in organic or inorganic chemistry, or microanalysis.

Open only to advanced students. Laboratory deposit, \$15 each session. Hours and credit by arrangement.

PROFESSORS DOWNES, KING and STECHER.

CHINESE

**Chinese 101-102. Elementary Chinese. PROFESSOR GOODRICH.*

**Chinese 103-104. Second year Chinese. PROFESSOR GOODRICH.*

**Chinese 105-106. Classical Chinese. PROFESSOR WANG.*

These and other courses in Chinese language, history, and culture are open to qualified Barnard students in special cases. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

CLASSICAL CIVILIZATION

See Greek and Latin

DRAMA

For the student who is particularly interested in dramatic literature and its development—both historical and technical—the following courses are recommended. Details regarding them may be found on the pages noted.

The attention of the student who wishes to obtain a knowledge of the collateral development and interrelationship of the drama in England and on the continent is directed to Group B.

For a more intensive study of certain dramatists and their works and influence, courses in Group C should be elected, after a study of some phase of the development of the drama.

For students interested in modern drama, Group D, some knowledge of preceding development is desirable.

The writing of plays and work on the stage as author, director, and actor, as in Group E, invests the student with some technical knowledge of the structure and production of plays and the problems which arise from the stage and the conventions of certain periods.

(Note: Except where specified, all texts are read in their original tongues.)

GROUP A—THE CLASSICAL DRAMA

Greek 21. Greek Tragedy. PROFESSOR RICHARDS. See page 89.

Greek 22. Greek Comedy: Two plays of Aristophanes. DR. SWALLOW. See page 89.

[*Archaeology* 71. The Greek and Roman Theater. *Not given in 1948-49.*]

GROUP B—THE HISTORY OF THE DRAMA

English 59, 60. Modern English Drama. PROFESSOR HOOK and MISS MANDEVILLE. See page 67.

[*German* 25, 26. The Drama of the Nineteenth Century. MRS. STABENAU. See page 82. *Not given in 1948-49.*]

GROUP C—DRAMATISTS

English 61-62. Shakespeare. PROFESSORS ROBERTSON and HOOK. See page 67.

German 5, 6. Lessing, Goethe, and Schiller. PROFESSOR PUCKETT. See page 82.

German 36. Goethe's Faust. PROFESSOR PUCKETT. See page 83.

GROUP D—MODERN DRAMA

Spanish 22. Contemporary Spanish Literature. PROFESSOR DEL RÍO. See page 127.

GROUP E—PLAY WRITING

English 14. Writing for Radio. MR. TEICHMAN. See page 64.

English 15, 16. Play Writing. PROFESSOR HOOK and MISS GILDER. See page 64.

Wigs and Cues, the Barnard dramatic club, offers opportunities for experience in directing, acting, stagecraft, and producing.

The Columbia University Radio Club offers opportunities for broadcasting experience over the local station WKCR.

ECONOMICS

ELIZABETH FAULKNER BAKER, Ph.D., Professor of Economics,
Executive officer

RAYMOND J. SAULNIER, Ph.D., Associate Professor of Economics

CLARA ELIOT, Ph.D., Assistant Professor of Economics

JANET R. SUNDELSON, M.A., Instructor in Economics

ROBERT LEKACHMAN, A.B., Instructor in Economics

EDITH H. GREEN, M.A., Lecturer in Economics

A major in economics. Students majoring in economics will be required to take:

Economics 1, 2, 13 or 14, 17 or R17, and 27 or 27 and 28.

Other social sciences. In view of the essential unity of the social sciences every student majoring in economics is required to take courses amounting to 12 points in two of the following departments, as selected in conference with

her adviser: anthropology, geography, government, history, philosophy, psychology, religion, sociology.

See also *Other Interdepartmental Offerings*, page 47.

See also *American Studies*, page 43.

See also *Foreign Area Studies*, page 45.

See also *International Relations*, page 47.

1, 2. INTRODUCTORY ECONOMICS. *Winter session*: The functions of an economic system; economic institutions and how they work, corporations, the stock market. Economic principles as a guide to policy under competition and monopoly. Private enterprise and the role of the government in policing, directing, or stimulating the economy; the record of our economy in achieving "stability," "full employment," "efficiency in the use of resources," and "equity in the distribution of income." *Spring session*: Labor problems, social security, the monetary and banking system, business cycles. Economic analysis applied to problems of foreign trade, taxation, and fiscal policy, public ownership and economic planning. Private enterprise as compared to some of its modifications or alternatives ("planned economy," Socialism, Communism, Fascism).

Open to students of all classes. Course 1 is prerequisite for Course 2. M., W. and F. at 10 (I), at 2 (II), at 3 (III); Tu. and Th. at 11 and Th. at 1 (IV); also, for freshmen only, M., W. and F. at 9 (V). Each section should be limited to 30 students. 6 points. [18]

PROFESSORS BAKER and SAULNIER, MRS. SUNDELSON, MR. LEKACHMAN, and MISS GREEN.

3. ECONOMIC PROBLEMS OF THE CONSUMER. How well does our economic order serve us as *consumers*? Can standards of living be raised? Special problems such as consumer credit, budgeting, standards and grade labeling, housing, medical care, advertising, style and fashion, "fair price" laws, lessons of price-control and rationing. Protection of the consumer by the government, by consumer organizations. The coöperative movement. Field trips to testing laboratories, housing projects, coöperative centers, etc.

Term paper. Tu. and Th. at 2. Field trips Tu. afternoons. 3 points. [9]

PROFESSOR ELIOT.

13, 14. DEVELOPMENT OF CAPITALIST INSTITUTIONS. A survey of the development of our present economic society, with special emphasis on western Europe and on the United States. *Winter session*: The genesis of capitalist forms in ancient and medieval Europe. Technological and economic changes in the eighteenth and nineteenth centuries. The development of those financial institutions, forms of business enterprise, and technics of private and governmental control characteristic of capitalism in twentieth-century Europe. *Spring session*: The development of the American economy from colonial times. Early American mercantile capitalism. Industrial and finance capitalism in the nineteenth and twentieth centuries. Structural changes in the economy: types of production, employment, and industrial organization. The impact of two world wars on the American economy.

Open to all except freshmen. Tu. and Th. at 11 and M. at 4. 6 points. [8]

MRS. SUNDELSON.

15. FISCAL POLICY AND ECONOMIC PLANNING. The economics of planning, with reference to the experience of particular countries. The rôle of fiscal policy in relation to full employment, inflation, and reducing inequality in the distribution of national income and wealth. Critical analysis of our present tax, expenditure, and debt systems, including a discussion of federal, state and local fiscal relations. Analysis of current fiscal proposals.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 9 and Th. at 1. 3 points. [6]

MRS. SUNDELSON.

16. INTERNATIONAL ECONOMIC POLICY. International monetary and trade problems. The mechanism and theory of international exchange. The breakdown of the international trading system, with particular reference to the position of the United States and Britain in the world economy. Current experiments in international economic planning: the International Monetary Fund and the International Bank for Reconstruction and Development; the International Trade Organization; the Marshall Plan.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 9 and Th. at 1. 3 points. [6]

MRS. SUNDELSON.

17 (or RI7). INTRODUCTION TO STATISTICAL ANALYSIS. The gathering of statistical data; tabulation; graphic presentation; simpler methods of summarization and comparison. The normal curve, sampling, and unreliability. Statistical fallacies. Illustrations from various sciences. Possibilities and limitations of the statistical method.

Open to all except freshmen. 3 points.

Winter session: Tu. and Th. at 10 and a laboratory hour to be arranged.

Spring session: Tu. and Th. at 2 and a laboratory hour to be arranged.

PROFESSOR ELIOT.

18. STATISTICAL ANALYSIS. Index numbers; analysis of time-series; correlation; analysis of variance.

Prerequisite, Course 17 (or RI7) or the equivalent. (Course 18 counts in Group II unless taken as part of a major in economics or sociology, in which case it may count toward that major, and the 14-point requirement in Group II must be satisfied in other subjects.) Tu. and Th. at 10 and a laboratory hour to be arranged. 3 points. [7]

PROFESSOR ELIOT.

19. LABOR ECONOMICS AND LABOR PROBLEMS. An introduction to the analysis of the problems of labor in the American private-enterprise system: composition of the labor force; unemployment and the struggle for economic and social security; wages and their determination, wage-payment plans and job evaluation, the guaranteed annual wage, the minimum wage; hours; minority groups; labor organization and the ideal of "democracy in industry"; scientific management and modern personnel administration.

Prerequisite, Course 1 and preferably Course 2 or the equivalent. This course is recommended for students interested in personnel work. M., W. and F. at 10. 3 points. [2]

PROFESSOR BAKER.

20. LABOR UNIONISM AND LABOR RELATIONS. Attempts of British and American organized labor to improve the social and economic status of working people. American union structure and union government; the struggle between the A.F.L., the C.I.O. and the independent unions; theory of collective bargaining; the nature of the trade agreement; labor disputes and their settlement; the law and the courts. The impact of the Taft-Hartley Act upon labor-management relations. What is the way toward industrial peace?

Prerequisite, Course 1 and preferably Courses 2 and 19 or the equivalent. This course is recommended for students interested in personnel work. M., W. and F. at 10. 3 points. [2]

PROFESSOR BAKER.

[21. CORPORATION FINANCE AND INVESTMENT. An introduction to the development and present nature of financial and business organization with respect to the investor, the worker, the consumer, and the economy as a whole. The nature and function of corporate securities in capital formation, promotion, and capitalization. The meaning and uses of financial statements. The principles and practices of investment are studied in connection with a class project which includes following the financial sections of the newspapers and observing the attempt of the Securities and Exchange Commission to protect investors.

Prerequisite, Course 1. Given in alternate years. 3 points. Not given in 1948-49.]

PROFESSOR BAKER.

[22. BUSINESS ENTERPRISE AND PERSONNEL ADMINISTRATION. The business organization as a going concern dealing with its problems of marketing, production, finance, personnel and labor-management relations. The rôle of the government in the regulation of business enterprise on behalf of stockholders and bondholders, workers, and consumers.

Prerequisite, Course 1 and preferably Courses 2 and 21 also. This course is recommended for students interested in personnel work. Given in alternate years. 3 points. Not given in 1948-49.]

PROFESSOR BAKER.

Economics 25, 26. INDUSTRIAL RELATIONS AND PERSONNEL ADMINISTRATION. A study of labor-management relations under the impact of technological change, in theory and in practice. The changing position of the foreman. The rôle of the government in settling grievances and disputes. The outlook for mutual survival of organized labor and organized management in the dilemma between progress and security.

Each student will have a supervised project.

Prerequisite, Course 20, preferably also Course 19; and Course 25 is prerequisite for Course 26. Tu. 3-5. 6 points. [13]

PROFESSOR BAKER.

27. DEVELOPMENT OF ECONOMIC THOUGHT. A systematic presentation of the development of economic thought beginning with Smith, continuing with

Ricardo, Malthus and Mill and culminating in the work of Marshall in England and J. B. Clark in this country. There will be an attempt to relate the work of each man to the persistent problems of his time. Considerable attention will also be devoted to the intellectual reaction to classical theory represented by Marx and Veblen. Readings will be assigned in original texts. This course will be a prerequisite for Course 28.

Prerequisite, Course 1. M., W., F. at 11. 3 points. [3]

MR. LEKACHMAN.

28. ECONOMIC ANALYSIS. Building upon the historical basis of earlier economic thought, this course will include the major topics of current economic theory: the neo-classical explanations of value, distribution and competitive price; Chamberlin's theory of monopolistic competition; and the modern theory of demand. This part of the semester's work will be devoted largely to an analysis of the individual firm and industry. The second part will consider the Keynesian theory of employment, both as a tool of economic analysis and as a basis for governmental policy. Current problems will be stressed.

Prerequisites, Courses 1, 2, 27. M., W., F. at 11. 3 points. [3]

MR. LEKACHMAN.

[41, 42. READINGS IN CURRENT ECONOMIC PROBLEMS. An introduction to a broad range of current literature bearing mainly on economic but necessarily also on social and political issues. Readings will relate to the main problems raised by transition from a war to a peace economy. So far as possible the subject matter will be selected to meet the special interests of the students.

Open to juniors and seniors who have had Course 1. 6 points. Not given in 1948-49.]

PROFESSOR SAULNIER.

51, 52. ECONOMICS SEMINAR.

Open to senior majors. Reading, reports and discussion. W., 3-5. 6 points. [0]

MEMBERS OF THE DEPARTMENT.

61, 62. STUDIES IN ECONOMICS. Selected topics and books, and/or a term paper. The student will select her instructor according to the subject of her special interest.

This course may be taken only in connection with some other course in economics. 2 points.

MEMBERS OF THE DEPARTMENT.

123-124. FINANCIAL INSTITUTIONS. A study of the functioning of the principal public and private agencies comprising the financial system of the United States, and of corporate financial policies, from the viewpoint of their relation to the flow of money payments and the process of capital formation.

Open to seniors. Prerequisite, Course 1, 2 and at least two other courses in economics. M. and W. at 1. 6 points. [4]

PROFESSOR SAULNIER.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Political Science. The following are specially recommended as suitable for Barnard seniors:

**Economics* 101-102. Public Finance. PROFESSOR HAIG. 6 points.

**Economics* 161. The Regulation of Public Utilities. PROFESSOR BONBRIGHT. 3 points.

**Statistics* 201-202. Economic Statistics. PROFESSOR MILLS. 6 points.

**Economics* b135R. Structure of the American Economy. PROFESSOR SHOUP. 3 points.

COLUMBIA COLLEGE COURSES

The following course is recommended as suitable for qualified Barnard students:

**Statistics* 3-4. Statistical Methods and Their Applications. PROFESSOR CROXTON. 6 points.

ENGLISH

WILLIAM HALLER, Ph.D., Professor of English
W. CABELL GREET, Ph.D., Professor of English,
Executive officer

¹ELIZABETH REYNARD, B.Litt. (Oxon.), Associate Professor of English

JAMES L. CLIFFORD, Ph.D., ²Professor of English

LORNA F. MCGUIRE, Ph.D., Associate Professor of English

DAVID A. ROBERTSON, JR., Ph.D., Assistant Professor of English

JOHN A. KOUWENHOVEN, A.M., Ph.D., Associate Professor of English

LUCYLE HOOK, Ph.D., Visiting Assistant Professor of English

MARY MORRIS SEALS, Associate in English

FRANCES K. MARLATT, A.M., J.D., Associate in English

ROSAMUND GILDER, Associate in English

FREDERICA P. BARACH, A.B., Associate in English

ANNIS SANDVOS, A.M., Instructor in English

FRENCH R. FOGLE, A.M., Instructor in English

MARGARET C. HONOUR, M.A. (Oxon.), Instructor in English

AILEEN WARD, A.M., Instructor in English

ALLEN REYNOLDS CLARK, A.M., Instructor in English

ELEANOR HYDE, A.M., Mus.D., Lecturer in English

HOWARD TEICHMANN, A.B., Lecturer in English

GLORIA MANDEVILLE, A.M., Lecturer in English

A major in English. Every student graduated as a major in English is expected to be skilled in the common arts of reading, writing, and speaking. On the college level this implies that the graduate has read and can read with under-

¹ Absent on leave, 1948-49.

² Officer of Columbia University giving instruction in Barnard College.

standing a considerable number of the principal authors of English literature, ancient and modern. This learning in literature must be accompanied by some knowledge of the English language from an analytical or historical point of view. Further, English majors are asked to devote particular attention to a special field, such as American literature or a period of English literature, or drama, writing, or speech. A list of fields and advisers may be obtained from the department office.

The major examination is divided into three parts: (I) Chaucer, Shakespeare, Milton, and selected authors, English and American, of the eighteenth, nineteenth, and twentieth centuries; (II) the English language, including translation of Anglo-Saxon or Middle English; (III) work in a special field. Parts I and II constitute a general examination which is identical for all majors in English and presupposes at least 18 points of appropriate courses. Part III is a special examination or requirement which varies according to the field of particular interest. English majors in literature write an examination which is usually a critical essay. Not later than the beginning of the senior year, they should consult with their advisers and elect some 15 points of related courses, not necessarily English courses, to prepare for this special examination. English majors in writing must have an average grade of at least B in writing courses totaling 18 points; they fulfill Part III by submitting a satisfactory example of their work. English majors in speech must have an average grade of at least B in speech courses (including English 41-42) totaling 18 points, and take as Part III an oral examination in phonetics and the mechanics of voice.

INTRODUCTORY COURSE

A1-A2. WRITING, READING, AND SPEAKING. Practice in composition and discussion, reading of literature, contemporary and classical, with conferences to meet the need of the individual student. Full-year course.

Prescribed for freshmen and prerequisite for any other course except Courses 20, 21-22, 27, 28, which are recommended to be taken parallel to A1-A2. Students not thoroughly accustomed to the use of English should consult PROFESSOR KOUWENHOVEN before registering for this course. M., W. and F. at 9 (Ia); M., W. and F. at 10 (IIa, b, c); M., W. and F. at 11 (IIIa, b); M., W. and F. at 1 (IVa, b); M., W. and F. at 2 (Va, b); Tu., Th. and S. at 10 (VIa, b); Tu., Th. and S. at 11 (VIIa, b). 6 points. [0]

PROFESSORS KOUWENHOVEN, ROBERTSON, and HOOK, DR. HYDE, MISSES SANDVOS, HONOUR, and WARD, and MESSRS. FOGLE and CLARK.

WRITING

General prerequisite, Course A1-A2. To elect any course in writing, a student must secure the written permission of the instructor in charge.

1, 2. EXPOSITION: STRUCTURE AND STYLE. A course designed for students who need and desire additional training in assembling and expounding facts. Special emphasis on the preparation and presentation of expository articles, professional reports, and critical analyses. Training in summarizing and con-

densing material from organizations, committees, or technical experts. Précis-writing, briefs, and forensics.

Tu. and Th. at 10 and Th. at 2. 6 points. [0]

MR. FOGLE.

5, 6. ADVANCED COMPOSITION. In the tradition of such writers as Emerson, Arnold Bennett, Mark Twain, and Katherine Mansfield, the members of the class will keep daily journals and work up the material in frequent papers. Thus the course, in addition to the daily practice in expository, descriptive, and narrative writing, will train students to assemble and to organize this material for formal presentation in articles and fiction.

M. and W. at 2 and a third hour to be arranged. 6 points. [0]

PROFESSOR KOUWENHOVEN.

[7, 8. THE SOURCES FOR CREATIVE WRITING. A study of the sources used by selected writers for novels, biographies, short stories, essays, and poetry.

6 points. [0] Not given in 1948-49.]

11, 12. STORY WRITING. This course is set up as a writers' group. It provides the opportunity for constant practice of the art of writing short fiction or closely allied forms, with criticism by an audience of fellow-craftsmen. It is clinical in its method, and the subject matter is adjusted to the capacities and requirements of the individual, with frequent editorial conferences with the instructor. Discussion of the philosophy and technic of current fiction is based also on illustrative reading.

Tu. at 2 and Th., 2-4. 6 points. [0]

MRS. BARACH.

14. WRITING FOR RADIO. Preparation of radio scripts. Writing of original shows and adapting of other material for broadcasting.

Prerequisite is a grade of at least B in writing courses totaling 6 points. Open to all qualified juniors and seniors on the written permission of the executive officer of the department. Enrollment limited to 18; preference will be given to students who have had experience in dramatic activities. M., 4-6. 2 points. [0]

MR. TEICHMANN.

15, 16. PLAY WRITING. The primary intention is not to train playwrights, but to give insight into drama as a mode of expression. Critical study of plays in text and in production on the New York stage. Improvisation, dramatization, writing of original sketches, pantomimes, and plays. Stage trial of all work by members of the class.

M. and W., 3-5. 8 points. [0]

PROFESSOR HOOK and MISS GILDER.

15a-16a. LECTURES ON THE THEATER. The actor's contribution through the ages; the theater in the American scene.

This part of English 15, 16, is separable and may be elected by students enrolled in English 14, 23, 24, 29, 30, 59, 60, 61, 62. W. at 4. 2 points. [0]

MISS GILDER and others.

[83, 84. RADIO WORKSHOP.
4 points. Not given in 1948-49.]

SPEECH

20. EXTEMPORANEOUS SPEAKING. Practice in discussion and speaking to small groups for students who wish help in making themselves understood and who wish experience in thinking on their feet.

M. at 3 (I); Tu. at 9 (II); Th. at 1 (III). 1 point. [0]

MISS SANDVOS.

21-22. VOICE AND DICTION. A basic course in the fundamentals of speech and voice production designed to aid each student in acquiring clear speech, a pleasing voice, reasonable self-assurance, and the ability to make herself understood at all times. *Winter session:* Voice exercises, phonograph and dictaphone recordings, phonetic drills. *Spring session:* Principles of reading aloud, with special reference to phrasing and inflection. Full-year course.

Open to all students. M., W. and F. at 11 (I), at 1 (II). 4 points. [0]

MRS. SEALS and MISS SANDVOS.

23-24. ORAL INTERPRETATION OF LITERATURE. The study and oral presentation of different types of English literature. *Winter session:* Ballads, lyrics, dramatic verse and prose. *Spring session:* Practical experience in story telling, in choral reading, and in radio work. Full-year course.

Prerequisite, Course 21-22. Tu. at 2 and Th., 2-4. 4 points. [0]

MRS. SEALS.

25-26. SPEECH CORRECTION. The study of specific speech problems resulting from psychological and physiological causes. Practical experience will be afforded in clinical work. Full-year course.

Open to juniors and seniors on written permission of the instructor. Tu. and Th. at 9 and a laboratory hour to be arranged. 6 points. [6]

MRS. SEALS, PROFESSORS LOWTHER and DEYRUP.

27, 28. PUBLIC SPEAKING. Training in the delivery of prepared and extemporaneous speeches and in leading and participating in panel and round-table discussions. Technics of argumentation and debate. Analysis of important speeches. Parliamentary procedure.

Open to all students. W., 3-5. 4 points. [0]

DR. MARLATT.

29, 30. DRAMATIC READING. A rehearsal course in theories, technics, and styles of acting as an approach to dramatic literature. Each student will analyze and present characterizations and short scenes from great plays, ancient and modern.

Open to all students on written permission of the instructor. Enrollment is limited, and preference will be given to students who have completed English 21-22. Tu. at 3 and Th., 3-5. 4 points. [0]

MISS SANDVOS.

41-42. ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE.

6 points. *See below.*

PROFESSOR GREET.

14. WRITING FOR RADIO.

2 points. *See page 64.*

MR. TEICHMANN.

15, 16. PLAY WRITING.

8 points. *See page 64.*

PROFESSOR HOOK and MISS GILDER.

15a-16a. LECTURES ON THE THEATER.

2 points. *See page 64.*

MISS GILDER and others.

[83, 84. RADIO WORKSHOP. Students produce radio shows, directing, acting, announcing, and supplying sound-effects. Members of the group may submit radio scripts for criticism and possible production.

4 points. *Not given in 1948-49.]*

WIGS AND CUES, the college dramatic club, offers practical training and experience in speech, acting, and directing.

The local radio station WKCR offers to those students interested in radio announcing and acting opportunity for experience in these fields.

LANGUAGE AND LITERATURE

41-42. ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE. This course is designed to give the scholarly background that is necessary for studies in English usage, oral and written. After an introduction to English phonetics, the class hours are divided between (1) a linguistic and literary study of Anglo-Saxon, including source materials of early English history, Old English lyrics, the *Beowulf*; and (2) the genesis of American English, the history of words, pronunciation, and structure in the light of literary tradition and linguistic science.

Not open to freshmen. M. and F. at 11 and a third hour to be arranged.
6 points. [3]

PROFESSOR GREET.

[49, 50. MEDIEVAL FICTION. Comparative study of masterpieces of Western Europe from the beginnings of the medieval period through the thirteenth century. *Winter session*: Icelandic tales, the *Nibelungenlied*, medieval Latin literature of France, Germany, and England; romance and lyric showing the rise of the courtly love theme in South France. *Spring session*: Saints' lives, romances, especially the romances of King Arthur, Tristan, and the Grail; short tales; *Romance of the Rose*; the cycle of Reynard the Fox.

6 points. *Not given in 1948-49.]*

53, 54. CHAUCER AND HIS TIMES. The language and the literature of England in the later Middle Ages and early Renaissance. *Winter session*: Chaucer's *Canterbury Tales* and *Troilus and Criseyde*. *Spring session*: *Gawain and the Green Knight*, *Piers Plowman*, and other poems of the fourteenth and fifteenth centuries.

Course 53 is prerequisite for Course 54. M., W. and F. at 9. 6 points. [1]

PROFESSOR GREET.

[57, 58. DEVELOPMENT OF ENGLISH DRAMA FROM ITS ORIGINS TO THE EIGHTEENTH CENTURY. Miracle plays, moralities, interludes, early English comedy, Senecan tragedies, chronicle history plays, Marlowe, Shakespeare, Ben Jonson, the Jacobean drama, and the Restoration drama.

6 points. Not given in 1948-49.]

59. ENGLISH DRAMA OF THE RESTORATION AND THE EIGHTEENTH CENTURY. A study of the comedy of manners, heroic tragedy, sentimental comedy, ballad opera, bourgeois and romantic tragedy.

M., W., and F. at 10. 3 points. [2]

PROFESSOR HOOK.

60. MODERN DRAMA. A study of the development of modern English drama and the English theater from the beginning of the nineteenth century to the present. Ibsen, the Irish dramatists, contemporary continental and American drama.

M., W., and F. at 10. 3 points. [2]

MISS MANDEVILLE.

61, 62. SHAKESPEARE. All the plays and the poems are read, though only the more important in class, as an introduction to the meaning, scope, and greatness of the poet as expressed in structure, language, style, and versification.

Course 61 is prerequisite for Course 62. M., W., and F. at 1. 6 points. [4]

PROFESSORS ROBERTSON and HOOK.

15a-16a. LECTURES ON THE THEATER. 2 points. See page 64.

MISS GILDER and others.

[63, 64. ENGLISH LITERATURE OF THE RENAISSANCE. Sir Thomas More and the English humanists; court poets of Henry VIII; the university wits; Elizabethan prose.

6 points. Not given in 1948-49.]

65, 66. ENGLISH POETRY FROM SPENSER TO MILTON. The chief English poets, their themes, forms, and theories concerning poetry. *Winter session*: Spenser, the Elizabethan lyrists, Donne and the metaphysical poets. *Spring session*: Milton, with supplementary readings in the Bible and Dante's *Divine Comedy* in English.

M., W. and F. at 2. 6 points. [5]

PROFESSOR HALLER.

67, 68. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY. The principal authors from Dryden to the end of the eighteenth century, studied in relation

to the thought of the period. *Winter session*: Dryden, Swift, and Pope. *Spring session*: Dr. Johnson and his circle, and the pre-Romantics.

Tu. and Th. at 9 and Th. at 1. 6 points. [6]

PROFESSOR CLIFFORD.

70. THE NOVEL. A comparative study of the novel in England and the United States.

M. at 3, Th. 2-4. 3 points. [10]

PROFESSOR KOUWENHOVEN.

71, 72. ENGLISH LITERATURE OF THE ROMANTIC PERIOD. A study of the poetry of the age, chiefly in the light of contemporaneous theories of poetry and of present-day criticism. *Winter session*: Blake, Wordsworth, and Coleridge; *Spring session*: Byron, Shelley, and Keats.

Tu. at 2 and Th., 2-4. 6 points. [9]

PROFESSOR MCGUIRE and MISS WARD.

R73. ENGLISH POETRY OF THE VICTORIAN PERIOD. A study of poems by Tennyson, Browning and Arnold.

M., W., and F. at 11. 3 points. [3]

PROFESSOR ROBERTSON.

[74. ASPECTS OF VICTORIAN THOUGHT. Literary comment on tendencies in social, scientific, religious, and artistic thought. Selected writings of Carlyle, Arnold, Ruskin, Morris, Rossetti, Meredith, Swinburne, Pater.

3 points. Not given in 1948-49.]

[76. TWENTIETH CENTURY AMERICAN POETS: WILLIAM VAUGHAN MOODY TO HART CRANE. Study of the work of representative poets, including Moody, Robinson, Frost, Sandburg, Stevens, Eliot, MacLeish, and Crane. Each student will prepare a substantial essay on a modern American or English poet whose work is not considered in class.

3 points. Not given in 1948-49.]

77, 78. AMERICAN LITERATURE. A study of American literary and cultural development from the colonial period to the present with special emphasis on certain great figures: Emerson, Hawthorne, Melville, Whitman, Dickinson, Poe.

Tu. and Th. at 10 and a third hour to be arranged. 4 or 6 points. [7]

MR. CLARK and PROFESSOR MCGUIRE.

79. PRINCIPLES OF LITERARY CRITICISM. The chief classical texts and their development in critical theory and practice since the Renaissance.

M. and W. at 3 and a third hour to be arranged. 3 points. [10]

MISS WARD.

91, 92. SPECIAL READING. Under the immediate guidance of the instructor the student plans and follows a program of reading which will supplement and

coördinate her work in other courses. Each section becomes a literary group engaged in writing and discussing critical essays.

Recommended for major students, especially seniors who are preparing for Part III of the major examination. Registration in each section is limited and requires written permission of the executive officer of the department. Students who elect this course in their junior year and change their major later will receive only half credit.

Section I, especially for students reading in the seventeenth and eighteenth centuries.

M., 2-4. 6 points. [0]

MR. FOGLE.

Section II, especially for students reading in the eighteenth century and in the romantic period.

Tu., 3-5. 6 points. [0]

PROFESSOR HALLER.

Section III, especially for students reading in the medieval period and in the sixteenth and seventeenth centuries.

W., 3-5. 6 points. [0]

MISS HONOUR.

Section IV, especially for students reading in the nineteenth century.

Th., 3-5. 6 points. [0]

PROFESSOR ROBERTSON.

FINE ARTS

MARION LAWRENCE, Ph.D., Associate Professor of Fine Arts,
Executive officer

¹JULIUS HELD, Ph.D., Assistant Professor of Fine Arts

MARIANNA BYRAM, A.M., Associate in Fine Arts

²JANE GASTON-MAHLER, A.M., Associate in Fine Arts

MARGARET BIEBER, Ph.D., Lecturer in Fine Arts and Archaeology

MARY LAURA HEUSER, A.M., Lecturer in Fine Arts

A major in fine arts. Students majoring in fine arts will be required to take:

Fine arts. Courses 41, 51, 52, 62, 65, 66, 75, 76, 97-98 and other courses to be arranged in consultation with the department.

Other fields. A reading knowledge of French, German, or Italian. Students planning to do graduate work must have German and one other modern language. Courses in history, literature, languages, philosophy, or other fields which will vary with the special interest of the student and must be arranged in consultation with the major department.

¹ Absent on leave, spring session, 1948-49.

² Absent on leave, winter session, 1948-49.

FINE ARTS

1-2. INTRODUCTION TO THE STUDY OF FINE ARTS. A general study of esthetic problems as preparation for a more detailed study of the fine arts. This will include a discussion of the major problems of artistic expression and their solution in the fields of architecture, sculpture, and painting together with a consideration of the art as characteristic of certain great periods of European culture. Short papers will be assigned on buildings, sculpture and paintings in New York City. Full-year course.

Intended primarily for freshmen and sophomores but open to new transfers, and to juniors and seniors on written permission of the department. Tu. and Th. at 10. 4 points. [7]

PROFESSOR LAWRENCE.

41. ANCIENT ART. An introductory study of the art of Egypt, Mesopotamia, Persia, Greece, and Rome. Emphasis will be laid upon the development of Greek archaic and classical sculpture and painting in Athens in the sixth and fifth centuries.

Open to all except freshmen. History 5, 6 is recommended as a parallel course. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10 or at hours to be arranged. 3 points. [2]

PROFESSOR BIEBER.

[46. ROMAN ART. Introduction to the origin and development of Roman art, covering in some detail architecture and Pompeian wall-painting with special emphasis on sculpture, historical relief, and portraiture.

Open to all except freshmen. History 5, 6 is recommended as a parallel course. 3 points. Not given in 1948-49.]

PROFESSOR BIEBER.

51, 52. MEDIEVAL ART. An introductory study of the origin and development of Christian art in Europe through the early Christian, Byzantine, Carolingian, Romanesque, and Gothic periods. In the first semester the emphasis is on the development of style and iconography, especially as illustrated by mosaics and illuminated manuscripts. In the second semester special attention will be given to the Romanesque and Gothic architecture and sculpture of France.

Open to juniors and seniors. History 17, 18 is recommended as a parallel course. Course 51 is prerequisite for Course 52. M., W. and F. at 2. Conferences and visits to the Metropolitan Museum of Art, F. at 2 or at hours to be arranged. 6 points. [5]

PROFESSOR LAWRENCE.

62. ITALIAN RENAISSANCE SCULPTURE. The historical development of Italian sculpture from the late medieval period through Bernini. Special attention will be given to the genius of the Renaissance as expressed in the work of Donatello and Michelangelo.

Open to juniors and seniors and to sophomores who have had Course 65. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10, or at hours to be arranged. 3 points. [2]

PROFESSOR LAWRENCE.

65. ITALIAN RENAISSANCE PAINTING. The stylistic and iconographic development of Italian painting from the thirteenth to the middle of the sixteenth century with detailed study of Giotto, Masaccio, Leonardo, Raphael, Michelangelo and Titian.

Open to all except freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points. [8]

PROFESSOR HELD.

66. RENAISSANCE PAINTING IN NORTHERN EUROPE. The history and development of painting in the Flemish, Dutch, French, and German schools from the end of the Gothic period through the sixteenth century. Emphasis will be put on Van Eyck, Van der Weyden, Bosch, Bruegel, Dürer, and Grünewald.

Open to all except freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points. [8]

MISS HEUSER.

68. PRINTS AND DRAWINGS. The history and technic of the graphic arts and drawings as illustrated in the work of the principal artists from the beginning of the fifteenth century to modern times.

Prerequisite, Course 65, or 66 or 75, 76. M., W. and F. at 10 in 813 Schermerhorn and a fourth hour to be arranged at the Metropolitan Museum of Art. 4 points. [2]

MISS BYRAM.

71. ARCHITECTURE AND SCULPTURE SINCE THE RENAISSANCE. The first part of the course will be devoted to the main architectural developments from the Italian Renaissance to the present day. Particular attention will be given to the United States in the nineteenth and twentieth centuries. The last part of the course will be a study of the significant achievements in the field of sculpture from the French Renaissance to modern times.

Open to all except freshmen. M., W. and F. at 11. Conferences and visits to the Metropolitan Museum of Art F. at 11, or at hours to be arranged. 3 points. [3]

MISS BYRAM.

75, 76. EUROPEAN PAINTING SINCE THE RENAISSANCE. The development of painting in Europe from the sixteenth century to the present with emphasis on those trends which are most significant in the evolution of modern painting. The artists to whom special attention will be given are Michelangelo, Tintoretto, El Greco, Velasquez, Rubens, Poussin, and Rembrandt; Watteau, David, Delacroix, Daumier, the Impressionists, Cézanne, Van Gogh, and subsequent modern trends.

Open to all except freshmen. Course 75 is prerequisite for Course 76. Tu. and Th. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 6 points. [9]

PROFESSOR HELD and MISS BYRAM.

[78. AMERICAN PAINTING. The development of painting in America from the eighteenth and nineteenth centuries to the present day with special emphasis on the contemporary period.

Open to all except freshmen. 2 points. Not given in 1948-49.]

DR. GOLDWATER.

92. ORIENTAL ART. The course will be concerned primarily with the arts of China and Japan, with attention given to central Asiatic art as it affects these countries. Chinese bronzes, Buddhist art and the great painting and porcelain of the Sung period will be stressed, while in Japan Buddhist architecture and sculpture, and the later scrolls, screens and prints will be studied.

Open to all except freshmen. M., W., F. at 11. Conferences and visits to the Metropolitan Museum of Art, F. at 11 or at hours to be arranged. 3 points. [3]

MRS. GASTON-MAHLER.

97-98. SEMINAR FOR MAJORS. Special work planned in each case to supplement and coördinate the student's other courses in fine arts and to provide an opportunity for the study of basic principles as well as specific problems in a chosen field.

Required of all majors in their senior year. 6 points. Tu., 3-5. [0]

PROFESSOR LAWRENCE assisted by the other members of the department.

TECHNICAL COURSES

Studio courses can count toward the degree only if taken parallel to a theoretical or historical course in fine arts.

*G.S. DRAWING I-2. CREATIVE DESIGN, DRAWING, AND PAINTING. This foundation course is planned to develop an understanding and appreciation of the principles of creative design as applied to the visual arts. Through personal supervision, the student is guided in the actual practice of drawing and painting. The course includes analytical discussion of the great art epochs. Full-year course.

Course 1 is prerequisite for Course 2, except on written permission of the instructor. Special fee, \$30 each session and model fee, \$5 each session. M. and Th., 3-5 (II), Tu. and Th., 3-5 (III). East Hall. 4 points.

MR. MANGRAVITE.

Other studio courses given at Columbia University may be taken by written permission of the department. These are described in the Announcement of the School of General Studies under Painting and Sculpture. For courses in mechanical drafting consult Professor Lawrence.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in

The Announcement of the Faculty of Philosophy. The following are specially recommended as suitable for Barnard seniors:

**Archaeology* 100. Introduction to Ancient Archaeology. PROFESSOR DINS-MOOR. 3 points.

**Fine Arts* 146. Roman Art. PROFESSOR SWIFT. 3 points.

**Fine Arts* 161. Architecture of the Renaissance. PROFESSOR SWIFT. 3 points.

**Fine Arts* 163. Italian Painting of the Early Renaissance. PROFESSOR MEISS. 3 points.

**Fine Arts* 169. Seventeenth-century in the Netherlands. PROFESSOR HELD. 3 points.

**Fine Arts* 172. Modern Architecture. PROFESSOR SWIFT. 3 points.

**Fine Arts* 175. Modern Painting from c. 1848 to 1900. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 176. Modern Painting since 1900. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 187. Modern Sculpture. DR. WINGERT. 3 points.

**Fine Arts* 188. Islamic Art. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 191, 192. The Art of the Far East. MRS. GASTON-MAHLER. 3 points.

FRENCH

FRÉDÉRIC G. HOFFHERR, BèS L., Professor of French,
Executive officer

MARGUERITE BARATIN, Agrégée de l'Université,
Visiting Assistant Professor of French

ANDRÉ MESNARD, A.M., Assistant Professor of French

ISABELLE DE WYZEWA, Ph.D., Assistant Professor of French

HELEN PHELPS BAILEY, A.M., Associate in French

ALICE R. BENNETT, A.M., Instructor in French

HELEN CARLSON, A.M., Lecturer in French

JANET DOWLING, A.M., Lecturer in French

ELEANOR WALKER, A.M., Lecturer in French

TATIANA GREENE, A.M., Lecturer in French

EVE DANIEL, Assistant in French

A major in French. Unless they receive special permission from the department, students majoring in French will be required to take:

French. Courses 7, 8 (8 points), 41, 42; 15, 16 or 17, 18; 21-22 and at least two of the literature courses dealing with the most important periods of French literary history (XVIth, XVIIth, XIXth, XXth centuries) and other courses to be arranged in consultation with the department. Only two courses in the intermediate group may be counted in the major. The introductory language courses, 1-2, 3, 4, R4, cannot so count.

Other fields. Courses which will vary with the special interest of the student and should be arranged in consultation with the major department.

INTRODUCTORY COURSES

I-2. INTRODUCTORY FULL-YEAR COURSE. Grammar, reading, composition. *M., Tu., W., Th. and F. at 9 (I); M., Tu., W., Th. and F. at 11 (II). 8 points. [14]*

PROFESSOR MESNARD and MRS. BAILEY.

3, 4. INTERMEDIATE COURSE. Review of grammar and syntax. Translation from and into English, reading, free composition.

Prerequisite, Course 1-2 or two years of high school French. M., W. and F. at 2 (I) and (II); Tu., Th. and S. at 9 (III) and (IV). 6 points. [14]

PROFESSOR MESNARD, MISS DOWLING and MRS. GREENE.

R4. INTERMEDIATE COURSE. PART II. The equivalent of *Course 4* (given in the winter session).

Prerequisite, Course 3 or three years of high school French. M., W. and F. at 2. 3 points. [14]

MRS. GREENE.

5, 6. DISCUSSION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. A study based on prose and poetry of the nineteenth century. Discussion in French of texts read. Free composition and grammar review. Practice in both intensive and extensive reading.

Prerequisite, Course 3, 4 or three years of high school French. M., W. and F. at 9 (I), at 11 (II); Tu., Th. and S. at 11 (III). 6 points. [14]

MISS BENNETT, MISS CARLSON and MRS. GREENE.

R5. CONVERSATION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. The equivalent of *Course 5* (given in the spring session).

Prerequisite, Course 4 or R4. M., W. and F. at 1. 3 points. [4]

PROFESSOR DE WYZEWA.

5X, 6X. PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. Texts chosen to develop ease and accuracy in handling a variety of styles and subjects: historical, philosophical, artistic, scientific, as well as literary prose. *Especially intended for students wishing to prepare for the foreign language test in French and majors in other subjects who need to understand and translate French texts for reference purposes.*

Prerequisite, Course 3, 4 or three years of high school French. M., W. and F. at 9 (I), at 10 (II), at 11 (III), at 1 (IV). 6 points. [14]

PROFESSOR MESNARD, MISS BENNETT and MISS CARLSON.

R5X. PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. The equivalent of *Course 5X* (given in the spring session).

Prerequisite, Course 4 or R4. M., W. and F. at 1. 3 points. [4]

MRS. BAILEY.

7, 8. MASTERPIECES OF LITERATURE FROM THE MEDIEVAL PERIOD TO THE TWENTIETH CENTURY. Lectures in French on the history of French literature, recitations, free composition, and reports on outside reading.

Prerequisite, a grade of at least B in Course 4 and the written permission of the department or a high rating in three years of high school French.

8 points: Lecture, Th. at 1 and class meetings, M., W. and F. at 10 (I). This course is required of students majoring in French and may be counted toward the major. [14]

Or 6 points: Class meetings only, M., W. and F. at 9 (II) and at 10 (III), with modified requirements in reading and composition. Students who may subsequently wish to count the 6 points toward a French major may do so by additional work equivalent to 2 extra points.

PROFESSOR DE WYZEWA and MRS. BAILEY.

9, 10. REVIEW OF GRAMMAR AND COMPOSITION. Intended primarily for those registered in literature courses who desire a rapid review of grammar and syntax.

Open to students of all classes on written permission of the instructor. Limited to 10 students. Tu. and Th. at 10. 4 or 6 points. [7]

PROFESSOR MESNARD.

LANGUAGE COURSES¹

11, 12. PRACTICE AND THEORY OF FRENCH PHONETICS. Study of French articulation and intonation, general phenomena covering the spoken language, recitation, and reading aloud. Recordings of the pronunciation of each student will be made for the purpose of correcting or testing individual progress.

Open to students only on written permission of the instructor. Limited to 20 students. M., W., F. at 11. 6 points. [3]

PROFESSOR BARATIN.

[15, 16. ADVANCED COMPOSITION. Translation of English texts into French, weekly themes, periodical reports on outside reading.

Open to qualified students with the written permission of the department. Limited to 15 students. 6 points. Not given in 1948-49.]

PROFESSOR MESNARD.

17, 18. ADVANCED TRANSLATION AND COMPOSITION. Translation from French into English and from English into French. Composition, preparation of critical essays and articles on a variety of subjects assigned.

Open only on written permission of the instructor. M., W. and F. at 9. 6 points. [1]

PROFESSOR BARATIN.

19-20. ORAL FRENCH, INTERMEDIATE FULL-YEAR COURSE. Pronunciation, recitation, conversation based on selected readings.

Limited to 20 students. Prerequisite, Course 5 or the equivalent and the

¹ All courses are conducted entirely in French.

written permission of the department. M. and W. at 1 (I), at 2 (II), and a conference period to be arranged. 4 points.

PROFESSOR MESNARD and MRS. BAILEY.

41-42. ORAL FRENCH, ADVANCED FULL-YEAR COURSE. Discussion and reports on contemporary French subjects and practice in lyric and dramatic interpretation.

Limited to 10 students. Prerequisite, Course 19-20 or the equivalent and the written permission of the instructor. W. and F. at 2, and a conference period to be arranged. 4 points. [0]

MRS. BAILEY.

41a-42a. ORAL FRENCH, ADVANCED FULL-YEAR COURSE. Pronunciation, diction, recitation, dramatic interpretation. Students in this section will study a French play which will be presented at the end of the year.

Limited to 10 students. Prerequisite, the written permission of the department. M. and F. at 4. 4 points. [0]

MRS. DANIEL.

LITERATURE COURSES

Students are reminded that the ability to use French both in speaking and in writing is considered a general requirement for all literature courses.

Course 7, 8 is prerequisite for all literature courses.

13, 14. THE REGIONAL FRENCH NOVEL. A study of the life and art of several French provinces based on recent novels.

Open to juniors, seniors, and qualified sophomores on written permission of the instructor. Limited to 15 students. M., W. and F. at 2. 4 or 6 points. [5]

MISS BENNETT.

21-22. FRENCH LITERATURE IN THE SEVENTEENTH CENTURY. A study of the most significant works of the principal writers of the period with special emphasis on the French Classical Drama. Full-year course.

M., W. and F. at 10. 6 or 8 points. [2]

PROFESSOR HOFFHERR.

23, 24. FRENCH LITERATURE IN THE NINETEENTH CENTURY. Characteristic works of poetry, the theatre and the novel. The main currents of French thought in the XIXth century and their repercussion in the early XXth century.

Open to juniors and seniors on written permission of the instructor.

M., W. and F. at 10. 6 or 8 points. [2]

PROFESSOR BARATIN.

[25, 26. HISTORY OF THE FRENCH NOVEL. A study of the development of French culture, thought, ideals, and literary technic as reflected in the most representative novels of each period, from the Middle Ages to 1939.

6 points. Not given in 1948-49.]

PROFESSOR DE WYZEWA.

27, 28. HISTORY OF THE FRENCH DRAMA. General survey of the development of the French drama from its origin to the present time; the most representative plays of the different periods.

M. and F. at 11. 4 or 6 points. [3]

PROFESSOR HOFFHERR.

[31, 32. THE RENAISSANCE IN FRANCE. Readings illustrative of humanism, neo-platonism, and the "new learning" in science and the arts. A study of the international aspects of intellectual life during the Renaissance.

Open to juniors and seniors. 6 points. Not given in 1948-49.]

[33, 34. HISTORY OF FRENCH CIVILIZATION. General survey of the development of French civilization from the Roman conquest to the Revolution; the political, artistic, literary, and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Open to juniors, seniors, and qualified sophomores, and to freshmen on written permission of the instructor. 4 or 6 points. Not given in 1948-49.]

PROFESSOR HOFFHERR.

34a. HISTORY OF FRENCH CIVILIZATION FROM THE REVOLUTION TO MODERN TIMES. The political, artistic, literary, and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Prerequisite, Course 33, 34 or the equivalent. Tu. and Th. at 11. 2 points. [8]

PROFESSOR MESNARD.

35, 36. FRENCH LITERATURE IN THE EIGHTEENTH CENTURY. The chief essayists, novelists, and dramatists of the period in their most significant works and letters.

Prerequisite, Course 21-22 or the written permission of the department. M., W., F. at 1. 6 points. [4]

PROFESSOR DE WYZEWA.

39-40. SPECIAL READING. Intended primarily for French majors. Students will be given a program of supervised reading, helping them to coördinate their work in other French courses. Discussions and reports.

M. and W. at 2. 4 points. [5]

MEMBERS OF THE DEPARTMENT.

[125. CONTEMPORARY FRENCH LITERATURE. Three predecessors of contemporary French poetry: Gérard de Nerval, Ch. Baudelaire and A. Rimbaud. Analysis of significant works.

Open to qualified seniors on written permission of the instructor. 3 or 4 points. Not given in 1948-49.]

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard Col-

lege to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

Qualified seniors may be authorized to take some of the courses offered by the Ecole Libre des Hautes Etudes.

GEOLOGY AND GEOGRAPHY

HENRY S. SHARP, Ph.D., Associate Professor of Geology,
Executive officer

FLORRIE HOLZWASSER, Ph.D., Associate Professor of Geology

WILLIAM F. GOODWIN, JR., Lecturer in Geography

A major in geology. Students majoring in geology may not count courses in geography toward the 28 points required in their major field. Advanced courses in geology and courses in other fields of science must be arranged in consultation with the major department and may vary somewhat in accordance with the interest and purpose of the student. Majors in geology are urged to take a well-balanced program in the humanities and by their senior year to take a field course such as *Geology 5179*—Geology of the Rocky Mountains—offered in Wyoming each summer by Columbia University.

A major in geography. Students majoring in geography are required to take *Geography 1-2, 3, 5, 10, 15, 16*, and *Geology 1, 2, 27, 28*; other courses in the related fields of anthropology, economics, and history are to be selected after consultation with the major department and may vary somewhat in accordance with the interests and purpose of the student.

GEOGRAPHY

1-2. ECONOMIC GEOGRAPHY. Consideration of man's geographic background—weather, climate, oceans, and landforms; his adaptation to this background and his utilization of natural resources; study of maps and map projections. Intended to be of use to students of history, economics, and sociology, and of earth sciences.

Tu. and Th. at 9 and Th. at 1. 6 points in Group II or III. [6]

PROFESSOR HOLZWASSER.

3. THE GEOGRAPHY OF SOUTH AMERICA. A study of the position, climate, relief, and natural resources of the continent and its constituent countries. This course should be of value to students of Spanish and of South American history and culture.

M., W. and F. at 10. 3 points in Group II or III. [2]

PROFESSOR HOLZWASSER.

5. THE GEOLOGIC AND GEOGRAPHIC DEVELOPMENT OF EUROPE. A study of the position, climate, relief, geology, and natural resources of the continent and its constituent countries. This course should be of value to students of European history and government.

M., W. and F. at 11. 3 points in Group II or III. [3]

MR. GOODWIN.

[10. METEOROLOGY. The fundamentals of modern meteorology: the atmosphere, its composition, height, and properties; temperature, pressure, humidity, and related weather elements; atmospheric circulation; climates of the earth. Special emphasis upon problems and regions of present importance.

3 points in Group II. Given in alternate years. Not given in 1948-49.]

PROFESSOR HOLZWASSER.

12. NATURAL RESOURCES. The nature, distribution and use of our major resources, land, power and mineral are considered. An evaluation of the North American resource position is made.

M., W. and F. at 11. 3 points in Group II or III. [3]

MR. GOODWIN.

15, 16. REGIONAL ECONOMIC GEOGRAPHY OF NORTH AMERICA. A study of the natural resources, industry, and agriculture of the geographic regions of North America with consideration of the factors which have influenced their development and their future possibilities. *Winter session:* Eastern North America. *Spring session:* Western North America, Mexico and Central America.

M., W. and F. at 1. 6 points in Group II or III. [4]

MR. GOODWIN.

GEOLOGY

Students wishing to fulfill Group II requirements in the field of geology are advised to take Courses 1, 2, and 28.

1. PHYSICAL GEOLOGY. *Courses 1 and 2* are planned to give students knowledge of the earth as the most important physical factor in their background. *Course 1* covers the composition and structure of the earth, the internal and external forces acting upon it, and the surface features resulting. The laboratory includes several field trips, study of common rocks and minerals, and intensive study of contour maps as means of depicting topography. *Course 1* makes a good unit for students taking other sciences and wishing to gain some knowledge of the content of geology. Those wishing to become familiar with topographic maps are also advised to take this course.

With Course 2 it satisfies the laboratory science requirement in Group II. Lectures: Tu. and Th. at 11, Th. at 1. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. 5 points in Group II. [8]

PROFESSOR SHARP, MR. GOODWIN and MR. EDWARDS.

2. HISTORICAL GEOLOGY. Important steps in the history of the earth and of the life upon it from the beginning to modern times are emphasized. The laboratory includes a Planetarium visit, study of invertebrate fossils and of geologic maps and structures, museum trips for the study of vertebrate fossils, short field trips, and, if conditions permit, a required two-day weekend trip.

Prerequisite, Course 1. Lectures: Tu. and Th. at 11, Th. at 1. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. 5 points. [8]

PROFESSOR SHARP, MR. GOODWIN and MR. EDWARDS.

1a. PHYSICAL GEOLOGY. Lectures identical with those of *Geology 1*. No laboratory work. *To follow or parallel a laboratory science. Should not be elected*

by students expecting to take further work in geology. Tu. and Th. at 11, Th. at 1. 3 points in Group II. [8]

PROFESSOR SHARP.

2a. HISTORICAL GEOLOGY. Lectures identical with those of *Geology 2*. No laboratory work. *Prerequisite, Course 1 or 1a. To follow or parallel a laboratory science. Should not be elected by students expecting to take further work in geology. Tu. and Th. at 11, Th. at 1. 3 points in Group II. [8]*

PROFESSOR SHARP.

7. ELEMENTS OF MINERALOGY. The sight recognition and uses of the common minerals and rocks. Laboratory work in the identification of minerals by their physical properties and by simple chemical and blowpipe methods. A brief introduction to the use of microscopic methods in mineral studies is included. Emphasis on minerals of economic importance and widespread occurrence. *Given in Columbia College as A11. Given in alternate years. Tu. and Th. at 11 and Tu. 2-4. 3 points. [8]*

PROFESSOR HOLMES.

15. PALEONTOLOGY. The study of selected fossil specimens from all major geologic epochs and from most divisions of the plant and animal kingdoms. The principles of evolution and scientific nomenclature and the development of man's knowledge of plants and animals of the past.

Prerequisite, Courses 1 and 2; no prerequisite for botany or zoölogy majors. Given in alternate years. Tu. and Th. at 10. Laboratory: Th., 2-4. 3 points. [7]

PROFESSOR HOLZWASSER.

16. ADVANCED HISTORICAL GEOLOGY. A study of the Paleozoic and/or later geologic history of selected regions.

Prerequisite, Courses 1 and 2. Tu., Th. at 11, and a third hour to be arranged. 3 points in Group II. [8]

PROFESSOR HOLZWASSER.

[19. STRUCTURAL GEOLOGY. Lectures, readings and problems on folds, faults, and other geologic structures, and on geologic maps and sections. One or more voluntary field trips.

Prerequisite, Courses 1 and 2 or the equivalent. Courses 19 and 27 are ordinarily given in alternate years. Not given in 1948-49.]

27. THE ORIGIN OF LANDFORMS. Lectures, map study, and readings on the principles of geomorphology. The origin and evolution of surface features of the earth as controlled by the interaction between geologic structures and erosional processes. One or more voluntary field trips.

Prerequisite, Courses 1 and 2 or the equivalent. Courses 19 and 27 are ordinarily given in alternate years. M., W. and F. at 2. 3 points. [5]

PROFESSOR SHARP.

28. TOPOGRAPHIC DIVISIONS OF THE UNITED STATES. Lectures, map study, and readings on the 25 fundamental natural regions of the United States. This course should be of value to students majoring in government, history, economics, the natural sciences, and others wishing to understand the regional aspects of the United States, or expecting to travel within its boundaries. One or more voluntary field trips.

Prerequisite, Courses 1 and 2; may be taken concurrently with 2. Not open to freshmen. With the instructor's permission juniors and seniors may take this without Course 2. Alternates with a similar course on Europe. M., W. and F. at 2. 4 points. [5]

PROFESSOR SHARP.

30. ADVANCED PHYSICAL GEOLOGY. A seminar course with discussions, problems, and readings on various topics in geology.

Prerequisite, Courses 1 and 2 and 19 or 27. Open to juniors and seniors. Tu., 2-4, and a third hour to be arranged. 3 points. [9]

PROFESSOR SHARP.

GERMAN

HUGH WILEY PUCKETT, Ph.D., Professor of German,
Executive officer

LOUISE G. STABENAU, A.M., Associate in German

CLARE BALLUFF, A.M., Lecturer in German

ALEXANDER GODE, Ph.D., Lecturer in German

ELIZABETH BOKER, M.A., Lecturer in German

A major in German. Students majoring in German will be required to take:

German. Courses 9, 10, 36, 45, 46, 51 and other courses to be arranged in consultation with the department.

Other fields. Courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

INTRODUCTORY COURSES

1-2. BEGINNERS' FULL-YEAR COURSE. Elements of grammar, easy reading, written and oral practice.

Students who take Course 1-2 must also take Course 01-02.

M., W. and F. at 9 (I), at 11 (II); Tu. and Th. at 9 and F. at 3 (III and IV). 6 points. [15]

MRS. STABENAU, MISS BALLUFF, and DR. GODE.

01-02. ORAL PRACTICE. Conversation as extension of the work in Course 1-2.

Open also to students in Course 3, 4 and, by special permission, to students in other German courses. Tu. and Th. at 9 (I), at 11 (II and III), at 2 (IV and V) and at 3 (VI). 2 points. [0]

MRS. STABENAU, MISS BALLUFF, and MISS BOKER.

3, 4. INTERMEDIATE COURSE. Rapid reading of texts, with practice in writing and speaking German.

Prerequisite for Course 3, Course 1-2 or two years of high school German.

Prerequisite for Course 4, Course 3, or three years of high school German. M., W. and F. at 9 (I), at 1 (II). 6 points. [15]

MRS. STABENAU, MISS BALLUFF, and DR. GODE.

LANGUAGE AND LITERATURE COURSES

5, 6. LESSING, GOETHE, AND SCHILLER. Although the course emphasizes literary appreciation rather than practice in the language, considerable opportunity is offered in the discussions for such practice.

Prerequisite for Course 5, Course 4, or a high grade in three years of high school German. Prerequisite for Course 6, Course 5, or the written permission of the instructor. Course 5, 6 is recommended as preparation for more advanced courses in German literature. M., W. and F. at 10. 6 points. [2]

PROFESSOR PUCKETT.

7, 8. MODERN GERMAN PROSE. Rapid reading of modern German historical, critical, and scientific prose, assignments in German newspapers and journals. Structure and development of vocabulary. Especially helpful in giving a more fluent reading knowledge of German for use in other fields, such as science and history, and in preparing for the foreign language test in German.

Prerequisite for Course 7, Course 4, or the written permission of the instructor. Prerequisite for Course 8, Course 7, or the written permission of the instructor. M., W. and F. at 11. 6 points. [3]

MRS. STABENAU.

9, 10. PRACTICE COURSE. Conversation and written exercises.

Prerequisite, Course 3 or a good grade in three years of high school German. Tu. and Th. at 10. 4, or on written permission of the instructor, 6 points. [0]

MRS. STABENAU.

[25, 26. THE DRAMA OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. 4 or 6 points. Not given in 1948-49.]

MRS. STABENAU.

27. PROSE FICTION OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. M. and W. at 9. 2 or 3 points. [1]

PROFESSOR PUCKETT.

[28. THE LITERATURE OF THE TWENTIETH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1948-49.]

PROFESSOR PUCKETT.

[30. GERMAN ROMANTICISM.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1948-49.]

PROFESSOR PUCKETT.

36. GOETHE'S *Faust*.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. M. and W. at 9. 2 points. [1]

PROFESSOR PUCKETT.

45, 46. HISTORY OF GERMAN LITERATURE FROM THE EARLIEST TIMES TO THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. W. and F. at 11. 6 points. [3]

PROFESSOR PUCKETT.

[51. GERMAN LIFE AND INSTITUTIONS. The intellectual life of the German people as expressed in their literature and arts, as well as in their institutions, from the time of Frederick the Great to the present. Given in English.

Open to students of all classes. 2 points. Not given in 1948-49.]

PROFESSOR PUCKETT.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

GOVERNMENT

¹RAYMOND MOLEY, Ph.D., LL.D., Professor of Public Law
THOMAS PRESTON PEARDON, Ph.D., Professor of Government,
Executive officer

JANE PERRY CLARK CAREY, Ph.D., Assistant Professor of Government

MARY H. FAIRBANKS, A.M., Associate in Government

OLIVE HOLMES, A.M., Lecturer in Government

C. DALE FULLER, A.M., Lecturer in Government

MARINA SALVIN, A.M., Lecturer in Government

FLORA BRIDGES, A.M., Lecturer in Government

A major in government. Students majoring in government will be required to take:

Government. Courses 1, 2, 3, 4 and beyond these a number of more advanced courses determined in each case in accordance with the field of interest of the student. *Courses 1, 2 and 3, 4* must have been taken by the end of the junior year.

Because of the close relationship between the subject matter of history and

¹ Absent on leave, spring session, 1948-49.

that of government students majoring in government may, with the written permission of the adviser, offer as part of the required 28 points, 6 points in history including a choice of *History 1-2, 3, 4, 9, 10, 11, 12, 23, 24, 25, 26, 37, 38 or 45, 46*. When such courses are counted toward the major in government they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences. In view of the essential unity of the social sciences every student majoring in government is required to take courses amounting to 12 points distributed between two of the following departments as selected in conference with the adviser: anthropology, economics, geography, history, philosophy, psychology, religion, sociology.

See also *Other Interdepartmental Offerings*, page 47.

See also *International Relations*, page 47.

1, 2. AN INTRODUCTION TO AMERICAN GOVERNMENT. A survey of contemporary American government and public problems, including the fundamental doctrines of the American constitution, the party system, the organization and work of legislative bodies, the leadership of the executive and the process of administration, the judicial system, problems of state and local government; the functions and services of government, including control over foreign relations, banking and commerce; governmental regulation and protection of business and labor, and the promotion of public welfare.

Open to students of all classes. Course 1 or its equivalent is prerequisite for Course 2. M., W. and F. at 1. 6 points. [4]

MRS. FAIRBANKS.

3, 4. COMPARATIVE GOVERNMENT. An introduction to contemporary politics, especially as illustrated by the institutions, trends, and problems of government in certain foreign countries: England, France, Germany, the U.S.S.R., and others.

Open to all except freshmen. A term paper will be required. M., W. and F. at 11 and a conference hour. 8 points. [3]

PROFESSOR PEARDON.

7. AMERICAN POLITICAL LIFE. American politics chiefly considered in the light of the ideas, achievements, and influence of important political leaders such as Jefferson, Hamilton, Marshall, Lincoln, Hanna, Theodore Roosevelt, Wilson, and Franklin D. Roosevelt, and such interpreters of American life as Emerson, Whitman, Mark Twain, and Henry Adams.

Open to all except freshmen. Tu., 3-5. 2 or 3 points. [13]

PROFESSOR MOLEY.

11, 12. INTERNATIONAL RELATIONS. An analysis of the setting and basic factors of contemporary world politics and a study of proposals for reconstructing a stable international order.

Open to all except freshmen. Tu. and Th. at 10 and Tu. at 2. 6 points. [7]

MISS SALVIN.

[14. GOVERNMENTS OF LATIN AMERICA. A study of the political institutions, ideas and problems of the major Latin American states, with consideration, also, of their international relations and policies.

Suggested parallel, History 39-40. Open to juniors and seniors. 2 points. Not given in 1948-49.]

15. THE FAR EAST. Political institutions and international relations of the Far East, with special reference to Japan and China.

Open to juniors and seniors. Th., 3-5. 2 points. [12]

MISS BRIDGES.

[16. THE SOVIET UNION. An analysis of the institutions, problems, and policies of Russia under Soviet rule.

Open to juniors and seniors. 2 points. Not given in 1948-49.]

23, 24. GOVERNMENT AND SOCIAL CONTROL. Methods of social control by government with special emphasis on the developing relationship of the government to social problems in war and in peace. The relationship of government to specific social problems such as housing, child welfare, wages, and social security. Plans for handling such problems in the post-war world, illustrated by the Beveridge Report, the work of the National Resources Planning Board, etc.

Prerequisite, Course 1, 2 or its equivalent. M., W. and F. at 2. 6 points.[5]

MRS. FAIRBANKS.

25, 26. CONSTITUTIONAL LAW OF THE UNITED STATES. An analysis of constitutional principles as developed through decisions of the Supreme Court of the United States in relation to: judicial review; federalism; powers of the President and of Congress in peace and war; civil and political rights; citizenship; the police power; due process of law; the equal protection of the laws.

Prerequisite, Course 1, 2 or its equivalent. Th. 1-3 and a conference hour. 6 points. [9]

PROFESSOR CAREY.

[31, 32. THE HISTORY OF POLITICAL THOUGHT. A study of the development of political ideas from the Middle Ages to recent times.

Prerequisite, Course 3, 4 or History 1-2. 6 points. Not given in 1948-49.]

PROFESSOR PEARDON.

49, 50. ADMINISTRATION AND MODERN GOVERNMENT. A study of the rôle of administration in modern government; controls of administration and the problems of responsibility; the civil service; centralization and decentralization of administration; the extension of administration to the international sphere, including problems of an international secretariat, an international civil service, and the practice of international conferences.

Prerequisite, Course 1, 2 or its equivalent. M., W. and F. at 3. 6 points. [10]

MRS. FAIRBANKS.

61, 62. SEMINAR FOR MAJORS. Selected subjects and books in politics and government.

Open only to seniors majoring in government or in government and history. Tu. 4-6. 4 points. [0]

PROFESSOR PEARDON.

71, 72. PROBLEMS OF GOVERNMENT. Study of selected topics and books in politics and government.

This course may be taken only in connection with some other course in government and with the written permission of the instructor. M. at 2. 2 points. [0]

PROFESSOR PEARDON.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 12 points of government at Barnard in addition to a major interest in the social sciences is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Faculty of Political Science. The following are specially recommended as suitable for Barnard seniors:

**Government 101, 102. The Process of Government. PROFESSOR WALLACE. W., 11-1. 6 points.*

**Government 143. The Government of England. PROFESSOR PEARDON. Th. 4-6. 3 points.*

**Government 144. Governments of the British Dominions. PROFESSOR PEARDON. Th. 4-6. 3 points.*

**Government 151, 152. The Government of Germany. PROFESSOR FRANZ NEUMANN. 6 points.*

**Government 171, 172. Modern Ideas of the State. PROFESSOR MACIVER. W. 4-6. 6 points.*

GREEK AND LATIN

GERTRUDE M. HIRST, Ph.D., M.A. (Cantab.), Professor of Greek and Latin,
Emeritus

JOHN DAY, Ph.D., Associate Professor of Greek and Latin,
Executive officer

¹JOHN F. C. RICHARDS, Ph.D., Assistant Professor of Greek and Latin
F. ELLENOR M. SWALLOW, Ph.D., Instructor in Greek and Latin

A major in Greek, or in Latin, or in Greek and Latin combined. Courses may be counted toward these majors as follows:

Major in Greek. Any courses in Greek and 4 points in archaeology or classical civilization or Greek history may count.

Major in Latin. Any courses in Latin and 4 points in archaeology or classical civilization or Roman history may count.

Major in Greek and Latin combined. The following combinations are pos-

¹ Officer of Columbia University giving instruction in Barnard College.

sible: (a) 18 points of Greek, 10 points of Latin; (b) 18 points of Latin, 10 points of Greek. No points in archaeology or classical civilization may count.

At least one course in Greek composition and one course in Latin composition are strongly recommended.

Other fields. The work in other fields will vary with the special interest of the student and should be arranged in consultation with the major department. Students will find it profitable to take courses in Greek history, or in Roman history, or in both (*History* 5, 6, 13, 14, 15, 16). A reading knowledge of French and German is advised.

ARCHAEOLOGY AND CLASSICAL CIVILIZATION

Students majoring in Greek or in Latin may count courses in archaeology and classical civilization either toward their major or toward the 14-point requirement in the group indicated for each course, but not to cover both requirements. For all other students courses in archaeology and classical civilization will count toward the 14-point requirement in the group indicated for each course.

ARCHAEOLOGY

[61, 62. CENTERS OF HELLENIC CIVILIZATION. A study of life at certain Greek cities and sanctuaries of the Prehellenic, Hellenic, and Hellenistic periods, as revealed by existing monuments.

Open to all except freshmen. 4 points in Group III. Not given in 1948-49.]

PROFESSOR DAY.

[64. GREEK ARTS AND CRAFTS. A study of Greek life as reflected by vases, coins, and other minor arts.

Open to all except freshmen. 2 points in Group III. Not given in 1948-49.]

[71. THE GREEK AND ROMAN THEATRE. Development of tragedy, comedy, and theatre building, based on literary evidence and particularly on monuments and objects of art. Third hour for the reading, in English translation, of Aeschylus, Sophocles, Euripides, Aristophanes, Plautus and Terence.

3 points in Group I. Not given in 1948-49.]

For related courses see Fine Arts 41, graduate courses in Fine Arts (page 72) and other courses in the Announcement of the Faculty of Philosophy.

CLASSICAL CIVILIZATION

49, 50. GREEK LIFE AND THOUGHT. A portrayal of Greek civilization. *Winter session:* Consideration of the nature of the country; monuments of Athens; archaeology and art. *Spring session:* Surveys are made of literature, the theatre and the drama, political, social, and economic thought and practices; philosophy; religion; athletic sports and festivals; education.

Open to students of all classes. Tu. and Th. at 10. 4 points in Group III. [7]

PROFESSOR DAY.

[53, 54. ROMAN LIFE AND THOUGHT. Various aspects of Roman civilization. *Winter session*: The main subjects considered are the Etruscans and their influence upon Rome; development of the Roman "constitution"; economic and social life. *Spring session*: Attention is devoted to religion; festivals; the theatre and the drama; literature; education; architecture.

Open to students of all classes. 4 points in Group III. Not given in 1948-49.]

PROFESSOR DAY.

[55, 56. GREEK LITERATURE IN TRANSLATION. *Winter session*: Homer, Hesiod, lyric poetry, Herodotus and Thucydides. *Spring session*: The drama, oratory and philosophy.

Open to all except freshmen. 4 points in Group I. Not given in 1948-49.]

DR. SWALLOW.

66. CLASSICAL MYTHOLOGY. A study of the great myths of classical antiquity, their growth and significance in the ancient world and subsequent influence on Western literatures.

Open to students of all classes. Tu. and Th. at 9. 2 points in Group I. [6]

DR. SWALLOW.

[75. GREEK POLITICAL THOUGHT. A study, through English translations, of the social, political, and economic doctrines advocated by Plato, in his *Republic* and *Laws*, and by Aristotle, in his *Politics*.

Open to all except freshmen. 2 points in Group III. Not given in 1948-49.]

DR. SWALLOW.

77. CLASSICAL DRAMA. A literary study of the theatre in Greece and Rome, with emphasis upon its relationships to the modern theatre. Plays of Aeschylus, Sophocles, Euripides, Menander, Plautus, Terence, and Seneca will be read in English translation.

Open to all except freshmen. Tu. and Th. at 11. 2 points in Group I. [8]

DR. SWALLOW.

[78. COMPARATIVE LITERATURE. Some great names in the literatures of Western Europe will be discussed with the purpose of examining the influences wrought upon them by the Greek and Latin writers—both in ideas and in form.

Open to all except freshmen. 2 points in Group I. Not given in 1948-49.]

DR. SWALLOW.

GREEK LANGUAGE AND LITERATURE

I-2. FIRST COURSE (full-year). Grammar, composition, selected readings in prose and verse; selections from Homer's *Iliad*. This course may not be begun in the spring session.

M., W. and F. at 2. 6 points. [5]

DR. SWALLOW.

II. PLATO: APOLOGY; EURIPIDES: ONE PLAY.

Prerequisite, Course I-2 or three years of high school Greek or special permission. M., W. and F. at 10. 3 points. [2]

12. HOMER: ODYSSEY; SELECTIONS FROM HERODOTUS.

Prerequisite, Course 1-2 or three years of high school Greek or special permission. M., W. and F. at 10. 3 points. [2]

19-20. PROSE COMPOSITION. First Course (full-year).

May be taken in connection with any reading course in Greek (except Course 1-2), but not separately; particularly recommended to students who have taken only Course 1-2. This course may be taken for credit in two different years. Hour to be arranged. 2 points. [0]

21. GREEK TRAGEDY: TWO PLAYS.

Prerequisite, Courses 11 and 12 or special permission. W. and F. at 11. 2 points. [3]

PROFESSOR RICHARDS.

22. GREEK COMEDY: TWO PLAYS.

Prerequisite, Courses 11 and 12 or special permission. W. and F. at 11. 2 points. [3]

DR. SWALLOW.

[25. PLATO. Either the *Phaedo* or selections from the *Republic* will be read.

Prerequisite, Courses 11 and 12 or special permission. 2 points. Not given in 1948-49.]

PROFESSOR DAY.

[26. SELECTIONS FROM THUCYDIDES: BOOKS VI AND VII. The Sicilian expedition.

Prerequisite, Courses 11 and 12 or special permission. 2 points. Not given in 1948-49.]

PROFESSOR DAY.

29-30. PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20 or the equivalent. May be taken in connection with any reading course in Greek, but not separately. This course may be taken for credit in two different years. Hours to be arranged. 2 points. [0]

See also *Archaeology*, page 87, *Classical Civilization*, page 87, *Fine Arts* 41, page 70, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 92, 93 and 94.

LATIN LANGUAGE AND LITERATURE

[1-2. BEGINNERS' FULL-YEAR COURSE.

6 points. Not given in 1948-49.]

DR. SWALLOW.

3. VERGIL: SELECTIONS FROM AENEID I-VI.

Prerequisite, two or three years of high school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points. [1]

DR. SWALLOW.

4. CICERO: SELECTED LETTERS; OVID: SELECTIONS.

Prerequisite, two or three years of high school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points. [1]

DR. SWALLOW.

11. PLINY: SELECTED LETTERS; TACITUS: AGRICOLA.

Prerequisite, Course 3 or 4 or four years of entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points. [4]

DR. SWALLOW.

12. CATULLUS: SELECTIONS; HORACE: SELECTED ODES AND EPODES.

Prerequisite, Course 3 or 4 or four years of entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points. [4]

PROFESSOR DAY.

19-20. LATIN COMPOSITION. First course (full-year).

May be taken in connection with any reading course in Latin, but not separately. Strongly recommended as a parallel to Courses 3, 4 and 11, 12. This course may be taken for credit in two different years. Tu. at 3. 2 points. [0]

[21. LIVY: SELECTIONS; VERGIL: SELECTIONS FROM GEORGICS I-II. Two great masters of Augustan prose and poetry.

Prerequisite, Courses 11 and 12 or special permission. 3 points. Not given in 1948-49.]

[22. ROMAN SATIRE OF THE EMPIRE: JUVENAL AND MARTIAL.

Prerequisite, Courses 11 and 12 or special permission. 3 points. Not given in 1948-49.]

25. PETRONIUS: CENA TRIMALCHIONIS; SENECA: SELECTIONS.

Prerequisite, Courses 11 and 12 or special permission. M., W., and F. at 9. 3 points. [1]

PROFESSOR DAY.

26. ROMAN DRAMA.

Prerequisite, Courses 11 and 12 or special permission. M., W., and F. at 9. 3 points. [1]

PROFESSOR RICHARDS.

[27. TACITUS: ANNALS; Suetonius.

Prerequisite, Courses 11 and 12 or special permission. 2 points. Not given in 1948-49.]

DR. SWALLOW.

[28. LUCRETIVS: SELECTIONS; HORACE: EPISTLES.

Prerequisite, Courses 11 and 12 or special permission. 2 points. Not given in 1948-49.]

PROFESSOR DAY.

29-30. PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20. May be taken in connection with any reading course in Latin, but not separately. This course may be taken for credit in two different years. Th. at 1. 2 points. [0]

See also *Archaeology*, page 87, *Classical Civilization*, page 87, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 92, 93 and 94.

HISTORY

¹EUGENE H. BYRNE, Ph.D., Professor of History,
Executive officer

VIRGINIA D. HARRINGTON, Ph.D., Assistant Professor of History

RENÉ ALBRECHT-CARRIÉ, Ph.D., Assistant Professor of History

BASIL RAUCH, Ph.D., Assistant Professor of History

CHILTON WILLIAMSON, Ph.D., Assistant Professor of History

CHARLOTTE T. MURET, Ph.D., Associate in History

URSULA S. LAMB, A.M., Lecturer in History

ANNE HEENE, A.M., Lecturer in History

A major in history. Students majoring in history will be required to take the following courses:

History. Courses 1-2, 9, 10 and, if possible, one other general course, such as those offered in ancient, medieval, or English history. They should then concentrate their attention on some special field in which to do work of a more advanced character. Courses 1-2 and 9, 10 should have been taken by the end of the junior year. Course 45, 46 is recommended for all seniors majoring in history.

On account of the close relationship between the subject matter of history and that of government, students majoring in history may with the written permission of the department offer as part of the 28 points of the major requirement 6 points in government selected from *Courses 1, 2, 3, 4, 9, 10, 11, 12, 31, 32*. When such courses are counted toward the major, they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences. In view of the essential unity of the social sciences, students majoring in history must elect 12 points distributed in two social sciences other than history. The courses will be selected in conference with the adviser. Certain of these courses may also be counted toward the satisfaction of the general requirement in Group I or Group II. (See page 28.)

Students majoring in history must acquire a reading knowledge of some foreign language.

With the work in history they may combine work in other departments to make up a group of correlated courses on some large subject, such as ancient history and philosophy or art, modern history and international relations or

¹ Absent on leave, spring session.

sociology, English history and literature or government, American history and economics, the history of thought and culture.

See also *Other Interdepartmental Majors*, page 47.

INTRODUCTORY COURSE

1-2. SURVEY OF MODERN EUROPEAN HISTORY FROM THE AGE OF DISCOVERY TO THE OUTBREAK OF THE SECOND WORLD WAR. *Winter session*: Foundations of modern Europe; political, economic, social, and intellectual achievements from the fifteenth century to the eighteenth; the British, American, and French Revolutions; the era of Napoleon and the Congress of Vienna. *Spring session*: Industrial Revolution; rise of nationalism; social, intellectual, and economic problems of the nineteenth century; imperialism and world politics; causes and consequences of the First World War; Fascism, Bolshevism, Nazism; causes and outbreak of the Second World War. Full-year course.

Open to students of all classes. M., W. and F. at 9 (I), at 11 (II); also, for freshmen only, M., W. and F. at 9 (III, IV), at 10 (V), at 11 (VI), Tu., Th. and S. at 10 (VII), at 11 (VIII). 6 points.

PROFESSORS BYRNE, HARRINGTON, CARRIÉ, and WILLIAMSON, DR. MURET, MRS. LAMB, and MISS HEENE.

GENERAL COURSES

3-4. THE AMERICAN HERITAGE. Origins, background, development, and character of American civilization; the coming of Europeans and other peoples to the Americas from the fifteenth to the twentieth centuries and an estimate of their contributions; European events as they influenced the growth of the Americas. The Thirteen English Colonies and the United States as part of the American hemisphere and of the world; the emphasis to be placed on social and cultural history against the political background. Full-year course.

Recommended for freshmen, and open to members of all other classes. Recommended for prospective American Studies majors. Not recommended for prospective history majors. M., W. and F. at 2 and a conference hour to be arranged. 8 points. [5]

PROFESSORS RAUCH and WILLIAMSON.

5, 6. THE ANCIENT WORLD. A survey of the ancient Orient, Greece and Rome. *Winter session*: The pre-Greek cultures of the ancient Near East; the development of Greek civilization from its beginnings to the Roman conquest. *Spring session*: Pre-Roman Italy; rise of Rome from city state to ruler of a world empire; the Roman Empire, and the problem of its "decline and fall"; beginnings and triumph of Christianity.

Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the department. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 9. 6 points. [1]

MR. GRAY.

9, 10. HISTORY OF THE AMERICAN NATION FROM COLONIES TO WORLD POWER. *Winter session*: Political, social, and economic aspects of American history

under the British Empire, during the Revolution, and in the early republic; territorial expansion and foreign affairs before the Civil War; political parties and sectionalism to the Compromise of 1850. *Spring session*: The Civil War and reconstruction; nationalism and industrial capitalism; the agrarian revolt and the reform movement; the United States as a world power; the First World War and after.

Open to sophomores, juniors, and seniors and to qualified freshmen on written permission of the instructor. M., W. and F. at 10 (I) for juniors and seniors, (II) for sophomores. 6 points. [2]

PROFESSOR WILLIAMSON and MISS HEENE.

11, 12. THE HISTORY OF ENGLAND. The development of English institutions, characteristics, and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session*: The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session*: The Restoration to 1914; the ruling class and the Empire, the American, French, and Industrial Revolutions, the Victorian age.

Open to all except freshmen. Tu. and Th. at 2 and a conference hour to be arranged. 4 or 6 points. [9]

MR. BURRELL.

MORE ADVANCED COURSES

[13, 14. HISTORY OF GREECE. A short survey of Greek civilization in its three "stages": Helladic, Hellenic, and Hellenistic; fifth-century Athens, as the highest type of Greek culture, and the Hellenistic Age, as the period of cultural transmission.

Open to juniors and seniors and to sophomores on written permission of the instructor. Fine Arts 41 is recommended as a parallel course. 6 points. Courses 13, 14 and 15, 16 are ordinarily given in alternate years. Not given in 1948-49.]

[15, 16. HISTORY OF ROME. The rise of Rome, her conquest of the Mediterranean world, a detailed study of the Empire.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 points. Courses 13, 14 and 15, 16 are ordinarily given in alternate years. Not given in 1948-49.]

17, 18. MEDIEVAL CIVILIZATION AND THE RENAISSANCE. *Winter session*: The social and cultural history of the Middle Ages with emphasis upon developments in the twelfth and thirteenth centuries. *Spring session*: Politics and society in the fourteenth, fifteenth, and early sixteenth centuries.

Open to juniors and seniors and to sophomores on written permission of the instructor. A fine arts course to be selected from 51, 52, 62, 65, 66 is recommended as a parallel course. Tu. and Th. at 10, and Th. at 3. 6 points. [7]

PROFESSOR BYRNE.

[21, 22. THE FRENCH REVOLUTION AND NAPOLEON. A study of the Revolution. The background of eighteenth century Europe; the origins of the Revolution; the salons, the philosophies; the events of the Revolution; the rise of Bonaparte; the Napoleonic era; the spread of the revolutionary doctrines; the struggle for Europe; the Congress of Vienna.

Open to all except freshmen. 6 points. Not given in 1948-49.]

DR. MURET.

[23, 24. EUROPE IN THE NINETEENTH CENTURY. A study of the social and intellectual bases of contemporary Europe and a history of its development after 1815. The results of the Industrial Revolution, the growth of liberalism, democracy, nationalism and imperialism; romanticism and realism; religious and philosophical movements; the development of science; socialism and syndicalism in theory and practice; the origins of Communism and Fascism.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 points. Not given in 1948-49.]

DR. MURET.

25, 26. EUROPE AND THE TWO WORLD WARS. The internal evolution of the principal powers. The dominance of Bismarck's Germany. The renewal of imperial expansion and the formation of rival alliances. The First World War: origins and course; the issue of responsibility. The peace settlements; the League. The apparent liquidation of the war. The new political systems. The collapse of the nineteen-thirties. The Second World War: origins, course, and legacy.

Open to all except freshmen. M., W., and F. at 10. 6 points. [2]

PROFESSOR CARRIÉ.

27, 28. FRANCE IN THE NINETEENTH AND TWENTIETH CENTURIES. A review of the political, social and cultural history of France since 1815. The struggle between the principles of the Revolution and reaction during the Restoration, the July Monarchy and the Second Empire and the establishment of the Third Republic. France in the First World War, and in the post-war period. France in the Second World War; defeat, the Vichy régime, the Resistance Movement, liberation. Reconstruction in France and the political situation since the War. French intellectual and artistic movements in the nineteenth and twentieth centuries and their influence in Europe.

Open to all except freshmen. Course 27 is prerequisite for Course 28 except on written permission of the instructor. M., W. and F. at 1. 6 points. [4]

DR. MURET.

29, 30. THE MODERN MEDITERRANEAN WORLD. Historic rôle of the Mediterranean: lands, peoples, and religions. The powers and the Near Eastern question after 1815. Balkan nationalism. The emergence of Italy. France in North Africa. Austro-Russian rivalry after 1870. The end of Turkish rule in North Africa. The intrusion of Germany. The First World War. The Balkans after

1919. The new Turkey; Arab nationalism and the mandated areas. Italian ambitions. The Second World War and its consequences.

Open to all except freshmen. M., W. and F. at 2. 6 points. [5]

PROFESSOR CARRIÉ.

[31, 32, CENTRAL EUROPE SINCE THE REFORMATION. The broad lines of development of the region bounded by the Rhine, the Alps, the Balkans, and Russia: the struggle for the Rhine; Teuton and Slav; the Turkish advance and retreat; the function of the Hapsburg monarchy; nineteenth century German philosophy. The Holy Roman Empire in the sixteenth century; the Reformation and the Thirty Years War; Sweden; Prussia and the Hapsburg-Hohenzollern conflict; Poland. The effects of nationalism in the nineteenth century. Germany after 1870. The First World War and its consequences.

Open to all except freshmen. 6 points. Not given in 1948-49.]

PROFESSOR CARRIÉ.

33-34. AMERICAN COLONIAL HISTORY. The establishment of the English colonies in the New World; political, economic, religious, and social development of the colonies in the seventeenth and eighteenth centuries; origins of present American institutions in the colonial period; indications of an American culture in the mid-eighteenth century; development of British colonial policy; rivalry with Spain, Holland, and France; British policy after 1763; the Revolution; the Confederation; the Federal Constitution. Full-year course.

Open to all except freshmen. Tu. and Th. at 10. 4 points. [7]

PROFESSOR HARRINGTON.

37, 38. HISTORY OF AMERICAN FOREIGN RELATIONS. International relations of the American people from independence to world power. An attempt to understand the expansive forces of American national life in their relation to an evolving foreign policy. An analysis of the varied international interests of Americans and of such representative policies as the Monroe Doctrine, the Open Door, and the freedom of the seas.

Preceding or parallel, Course 9, 10. Tu. and Th. at 9. 4 points. [6]

PROFESSOR RAUCH.

39-40. LATIN AMERICAN HISTORY. A survey of the geography and resources of the area. The history of the discovery, exploitation, and development of colonial institutions. The struggle for independence; the evolution of the social, political, and cultural aspects of national life. Full-year course.

Open to all except freshmen. Tu. and Th. at 2 and a conference hour to be arranged. 4 or 6 points. [9]

MRS. LAMB.

41-42. HISTORY OF SCIENCE. The development of the main currents of scientific thought, pre- and post-Renaissance, emphasizing the historical relationship between the scientific and the social, economic, and cultural aspects of western civilization.

Open to juniors and seniors only. Not acceptable to meet the 6 points of

history required for graduation. Course 41 is prerequisite for Course 42. M., W. and F. at 9.6 points. [1]

PROFESSOR CARRIÉ.

45, 46. SEMINAR IN HISTORICAL STUDY. Readings in the great historians of the nineteenth and twentieth centuries. Introduction to problems in historical criticism.

Recommended for seniors majoring in history. Th. at 4.4 points. [0]

PROFESSORS BYRNE and RAUCH.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 18 points in history at Barnard, or in special cases the equivalent thereto in courses in other social sciences, is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Faculty of Political Science. The following are specially recommended as suitable for Barnard seniors:

History 131-132. Major Factors in Modern European History, with special reference to the rise of nationalism. PROFESSOR HAYES. W., 7:30-9. 6 points.

History 137-138. The Modern Expansion of Europe. PROFESSOR ———. Tu. and Th. at 10. 6 points.

History 139-140. European Thought and Culture in the Nineteenth Century. PROFESSOR BARZUN. M. and W. at 10. 6 points.

History 147. Russia in the Imperial Age. PROFESSOR ROBINSON. Tu. and Th. at 4:10. 3 points.

History 148. The Russian Revolution. PROFESSOR ROBINSON. Tu. and Th. at 4. 3 points.

History 153-154. Jewish History in the Twentieth Century. PROFESSOR BARON. Tu. 4:10-6. 6 points.

History 171-172. Development of American Nationalism in the Nineteenth and Twentieth Centuries. PROFESSOR KROUT. Tu. and Th. at 11. 6 points.

History 181-182. Economic and Cultural History of the United States, 1865-1945. PROFESSOR CARMAN. M. and W. at 9. 6 points.

History 187. Latin American History. PROFESSOR TANNENBAUM. Th. 4:35-6:15. 3 points.

History 191-192. Modern History of the Far East. PROFESSOR GARDNER. Tu. and Th. at 11. 6 points.

History 193-194. History of Chinese Civilization. PROFESSOR GOODRICH. M. and W. at 10. 6 points.

History 195. History of Japan and Japanese Civilization. SIR GEORGE SANSOM. M. and W. at 11. 3 points.

HYGIENE

—————, M.D., College Physician

A1-A2. HYGIENE. *Winter session*: A study of mental health to enable the individual to coöperate with other people, especially in college, in careers, and in marriage. *Spring session*: A study of the laws of health with special reference to nutrition and the creation of physical and mental stamina.

Prescribed for freshmen. Tu. at 11 (I); at 2 (II); Th. at 1 (III); F. at 11 (IV). 2 points. [12]

ITALIAN

TERESA CARBONARA, A.M., Assistant Professor of Italian,
Executive officer

ALFONSINA ALBINI-GRIMALDI, M.A., Lecturer in Italian

A major in Italian. Students majoring in Italian will be required to take:

Italian. Courses 3, 4, 5, 6, 15, 16, 17, 18, 19, 20, 21, 22, and other courses to be arranged in consultation with the department.

Other fields. English 49, 50, 53, 54; Fine Arts 51, 52, 62, 65; History 17, 18; Philosophy 61-62; Religion 1, 2. Two years of French or German or Spanish. Some knowledge of Latin is also desirable.

LANGUAGE COURSES

1-2. INTRODUCTORY FULL-YEAR COURSE. A rapid course in the Italian language intended for students who wish to acquire in one year ability to read masterpieces of Italian literature as well as opera librettos and critical works on Italian music and art. Emphasis is placed on the oral aspect of the language. Extensive use of realia, music, and phonograph records.

This course may not be taken parallel to Portuguese 1-2 or Spanish 1-2. M., W. and F. at 1 and two additional hours of oral work. M., 3-5 or W., 3-5. 8 points. [4]

PROFESSOR CARBONARA.

3, 4. INTERMEDIATE COURSE. Vocabulary building with special emphasis on conversation and composition. Readings and discussions based on representative Italian literary works.

Prerequisite, Course 1-2 or the equivalent. Conducted in Italian. M., W. and F. at 11. 6 points. [0]

PROFESSOR CARBONARA.

5, 6. ITALIAN CONVERSATION.

To be taken in connection with another Italian course. Hours to be arranged. 2 points. [0]

MRS. ALBINI-GRIMALDI.

LITERATURE COURSES

15. DANTE AND MEDIEVAL CULTURE. A study of Dante, his poetry and his times, including practice in the written and spoken language—"Analisi estetica" of the most celebrated passages of the Divine Comedy.

Prerequisite, Course 3, 4 or the equivalent. This course may be taken for credit in two different years. Conducted in Italian. M., W. and F. at 11. 3 or, with the written permission of the instructor, 4 points. [3]

PROFESSOR CARBONARA.

16. THE ITALIAN RENAISSANCE. Petrarch and humanism; Machiavelli and political philosophy; Castiglione and the ideal of the modern gentleman. Ariosto and the Italian chivalric epic. Galileo and modern science. Tasso and the counter-reformation. This course includes practice in the written as well as the spoken language.

Prerequisite, Course 3, 4 or the equivalent. Conducted in Italian. M., W. and F. at 11. 3 or, with the written permission of the instructor, 4 points. [3]

PROFESSOR CARBONARA.

[17, 18. ITALIAN LITERATURE OF THE NINETEENTH CENTURY. Special emphasis will be laid on the works of Manzoni, Leopardi, Carducci.

Prerequisite, Course 3, 4 or the equivalent. 6 or, with the written permission of the instructor, 8 points. Not given in 1948-49.]

PROFESSOR CARBONARA.

19, 20. ITALIAN CIVILIZATION. *Winter session:* A study of Italian culture in the thirteenth and fourteenth centuries with special emphasis on Dante; Petrarch and early humanism. *Spring session:* A study of Italian culture from the fifteenth century to modern times with special emphasis on world exploration, the discovery of politics, Renaissance arts and social life, development of music, drama, opera, and modern science.

Open to students of all classes. Conducted in English. M., W. and F. at 2. 6 points. [5]

PROFESSOR CARBONARA.

21, 22. SPECIAL READING. Discussions on readings in Italian art, history, science, music, and letters. Individual reading assignments are generally given in that field of Italian culture most intimately associated with the student's major interests.

Required of major students to whom this course offers an opportunity to supplement and coördinate their work in other courses. With the written permission of the department this course may be taken in two successive years. Conducted in Italian. Hours to be arranged. 4 or, with the written permission of the instructor, 6 points. [0]

PROFESSOR CARBONARA and MRS. ALBINI-GRIMALDI.

GRADUATE COURSES¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard Col-

¹ Conducted entirely in Italian.

lege to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy. The following is specially recommended as suitable for Barnard seniors:

**Italian* 101-102. A Survey of the History of Italian Literature. Full-year course. PROFESSOR PREZZOLINI. 6 points.

JAPANESE

**Japanese* 101-102. Elementary Japanese. PROFESSOR HENDERSON.

**Japanese* 103-104. Intermediate Japanese. PROFESSOR HENDERSON.

**Japanese* 105-106. Advanced Japanese. MR. SHIMIZU.

These and other courses in Japanese language, history, and culture are open to qualified Barnard students in special cases. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

LATIN

See *Greek and Latin*

LINGUISTICS

See *Anthropology*

MATHEMATICS

¹EDWARD KASNER, Ph.D., Adrain Professor of Mathematics

²EDGAR R. LORCH, Ph.D., Professor of Mathematics,
Executive officer

H. S. M. COXETER, Ph.D., Visiting Professor of Mathematics

GRACE L. BOLTON, A.M., Instructor in Mathematics

~~TONG HING, Ph.D., Instructor in Mathematics~~

MARJORIE ANNE WHITE, A.B., Assistant in Mathematics

*George Raney MA
Edward Kenneth Blum MA
Calvin Elgot BA
Lecturer*

A major in mathematics. Students majoring in mathematics will be required to take:

Mathematics. A minimum of 28 points including the calculus sequence, *Mathematics* 31, 32, 33, or the equivalent, and in addition courses selected with the approval of the major adviser.

Other fields. Usually a major in mathematics finds it advantageous to supplement her mathematical studies with work in allied subjects. For example courses in physics, chemistry or statistics are frequently elected. The choice of these related courses will vary with the special interests of the student and must be decided upon in consultation with the major department.

¹ Officer of Columbia University giving instruction in Barnard College. On leave spring session.

² On leave 1948-49.

1 (or R1). TRIGONOMETRY.

Winter session only: 1—M., W. and F. at 9 (I); Tu., Th. and S. at 9 (II).

Spring session only: R1—M., W. and F. at 10. 3 points either session.

DR. TONG and ———.

7-8. MATHEMATICAL ANALYSIS. A general cultural course designed to give the student who intends to take only one year of college mathematics as broad a view as possible of the nature of mathematics. The subject matter will include topics from algebra, trigonometry, analytic geometry, differential and integral calculus. The emphasis will be upon the appreciation of the philosophy of mathematics but will reduce to a minimum the development of technical skills and the applications to specific problems. This course is not recommended for students of the physical sciences and is not open to students planning to major in mathematics. Full-year course.

Tu., Th. and S. at 9. 6 points. [6]

MISS BOLTON.

22 (or R22). ANALYTIC GEOMETRY. Introduction to the analytic geometry of the plane and of space.

Prerequisite, Course 1. Winter session only: R22—M., W. and F. at 9 (I), at 3 (II). Spring session only: 22—M., W. and F. at 9 (I); Tu., Th. and S. at 9 (II). 3 points either session.

DR. TONG, MISS BOLTON, and ———.

24. ALGEBRA AND THE THEORY OF EQUATIONS. Permutations and combinations, probability, mathematical induction, complex numbers, theory of equations, determinants.

Prerequisite or parallel, Course 1. M., W. and F. at 1. 3 points. [4]

—————.

[28. PROJECTIVE GEOMETRY. Perspectivity; homology; the principle of duality; involution; projective forms in relation to conic sections, leading up to the theorems of Pascal, Brianchon, and Desargues.

Prerequisite, Course 22. 3 points. Not given in 1948-49.]

PROFESSOR LORCH.

30. GRAPHICAL AND NUMERICAL METHODS. Nomographic charts for calculation, solution of equations by graphical and numerical methods, numerical integration, numerical solutions of differential equations.

Prerequisite, Course 22. M., W. and F. at 10. 3 points. [2]

MISS BOLTON.

31-32 (or R31-R32). CALCULUS. Differential and integral calculus. Full-year course.

Students electing R31 in the spring session must take R32 in the following winter session. Prerequisite, Course 22. Entire year: 31-32.—M., W. and F. at 1. Spring session only: R31 (equivalent of 31)—M., W. and F. at 9 (I), at 3 (II). Winter session only: R32 (equivalent of 32)—M., W. and F. at 3. 6 points.

DR. TONG, MISS BOLTON, and ———.

33 (or R33). CALCULUS. Continuation of the study of calculus.

Prerequisite, Course 31-32. Winter session only: 33—M., W. and F. at 10. 3 points. [2] Spring session only: R33—M., W. and F. at 11. 3 points. [3]
 PROFESSOR COXETER and DR. TONG.

[44. THE THEORY OF SPACE AND TIME. The course will be divided into two parts. In the first, the foundations of euclidean and non-euclidean geometry will be considered. The second is devoted to the special theory of relativity.

Prerequisite, Course 31-32. 3 points. Not given in 1948-49.]

PROFESSOR LORCH.

45. ANALYTIC GEOMETRY OF SPACE AND HYPERSPACE. Modern methods in solid analytics. Vectors, matrices, groups, quadratic forms.

Prerequisite, Course 31-32. M., W. and F. at 9. 3 points. [1]

DR. TONG.

[47. ELEMENTARY THEORY OF NUMBERS. A study of the properties of whole numbers. A variety of important and historically interesting problems will be discussed on an entirely elementary basis. Among the topics to be dealt with are: divisibility; Euclid's algorithm; prime numbers; quadratic residues; diophantine equations; rings and fields.

Prerequisite, Course 22. 3 points. Not given in 1948-49.]

PROFESSOR LORCH.

54. ADVANCED CALCULUS. An introduction to various branches of mathematical analysis. Partial differentiation and multiple integrals and their applications to geometry and physics; line integrals, the theorems of Green and Stokes; Fourier series; the calculus of variations.

Prerequisite, Course 33. M., W. and F. at 9. 3 points. [1]

PROFESSOR COXETER.

56. DIFFERENTIAL EQUATIONS. An elementary course in differential equations.

Prerequisite, Course 33. M., W. and F. at 11. 3 points. [3]

DR. TONG.

57. HIGHER ALGEBRA. Fields, theory of equations in various fields, symmetric functions, elimination theory. Theory of determinants and matrices, systems of linear equations.

Preceding or parallel, Course 32. M., W. and F. at 10. 3 points. [2]

MISS BOLTON.

[107. PROBABILITY. The classical theory of probability is developed in a rigorous fashion. The critique of the theory is implemented by the discussion of numerous examples. The topics treated include: the theorems of Tchebycheff, Bernoulli and Poisson; Stirling's formula; the probability integral; generating functions; the normal law of error.

Preceding or parallel, Course 33. 3 points. Not given in 1948-49.]

PROFESSOR LORCH.

133. FUNDAMENTAL CONCEPTS OF MODERN MATHEMATICS. A general survey emphasizing the bearing of higher theories on elementary mathematics and the historical evolution of ideas. Topics treated: transformations and groups, conformal mapping, algebra of logic, point-sets and topology, imaginary and hypercomplex numbers. Applications to physics.

Preceding or parallel, Course 31-32. Courses 133, 134 and 135, 136 are ordinarily given in alternate years. M., W. and F. at 11. 3 points. [3]

PROFESSOR KASNER.

[135, 136. SURVEY OF MODERN MATHEMATICS. A general course emphasizing the historical evolution of fundamental concepts. Development of the number system from integers to complex domain. Modern theory of infinity. The function concept. Algebra of logic. The foundations of geometry. Elementary geometry of four dimensions. Analytic treatment of n-dimensions. Non-euclidean systems. Geometric groups. Applications to physics.

Preceding or parallel, Course 31-32. Courses 133, 134 and 135, 136 are ordinarily given in alternate years. 6 points. Not given in 1948-49.]

PROFESSOR KASNER.

MUSIC

^{1,2}DOUGLAS STUART MOORE, A.B., Mus.B., Professor of Music,
Executive officer

OTTO LUENING, Professor of Music on the Joline Foundation

¹HERBERT DITTLER, Assistant Professor of Music

¹ERICH HERTZMANN, Ph.D., Assistant Professor of Music

CAROLYN P. CADY, A.M., Assistant Professor of Music

¹WILLIAM J. MITCHELL, A.M., Associate Professor of Music

¹JACOB AVSHALOMOFF, A.M., Instructor in Music

¹ALVIN BAUMAN, A.M., Instructor in Music

^{1,3}JACK BEESON, M.M., Instructor in Music

¹ABRAM LOFT, A.M., Instructor in Music

FRANK WIGGLESWORTH, A.B., Instructor in Music

¹NORMAND LOCKWOOD, Associate in Music

¹RUDOLPH THOMAS, Lecturer in Music

Teaching staff in Applied Music:

ALTA HILL, Piano

¹YELLA PESSL, Harpsichord

DAGMAR RYBNER-BARCLAY, Voice

FRANK M. SHERIDAN, Piano

¹CARL WEINRICH, F.A.G.O., Organ

A major in music. Students intending to major in music should plan to take Courses 1a and 2 in the freshman year and Course 31-32 in the sophomore year as these courses are prerequisite to the advanced courses in literature, history, and theory which are normally included in a major program.

¹ Officer of Columbia University offering courses open to Barnard students.

² On leave, spring session.

³ On leave, 1948-49.

In general, major programs are planned to include 28 points of advanced work (exclusive of *Courses 1, 1a, and 2*) both in literature and history, and in theory. Ordinarily *Courses 23-24, 35-36, 37-38, and 41-42* are required. Applied music courses are counted toward fulfillment of the major but are not required. Music majors, whether or not registered in courses in applied music, are expected to participate in the undergraduate musical organizations.

Attendance at the Collegium Musicum meetings is compulsory for all music majors.

Other fields. A reading knowledge of German, Italian or French is required. Students planning to do graduate work must have two foreign languages one of which is German. *Italian 1-2* is recommended for its relationship with the materials of *Music 5*. *Philosophy 41-42* is recommended. Courses in history, literature or other fields which will vary with the special interest of the student should be elected after consultation with the major department.

Practice rooms. The department provides practice rooms at a nominal charge for the use of students of applied music. Preference in assigning hours is given in order of application to those enrolled in courses given by the department. Application for practice time should be made to the department office, 407 Barnard, during registration and the first two days of classes. Organ students should apply to the Columbia departmental secretary, 601 Journalism.

Library. Books, scores, and records are available at the Barnard College Library. The Columbia Department of Music maintains in 701 Journalism a lending library of books and scores. In addition, phonographs with a large collection of records are available to students.

LITERATURE AND HISTORY

1-2. AN INTRODUCTION TO MUSIC. A study of the elements of musical structure designed to form intelligent habits of listening to music. The spring session is devoted to a study of selected masterpieces of the several great epochs of music, with emphasis on their style and structure. No previous knowledge of music is required. Full-year course.

Winter session: Tu. and Th. at 11 and an additional drill hour, Th. at 1. 603 Journalism. Spring session: Tu. and Th. at 11 and an additional hour, Th. at 1. 408 Barnard. 4 points. [8]

PROFESSORS MOORE and CADY.

1a. AN INTRODUCTION TO MUSIC. Similar to Music 1 but with a more detailed study of rhythmic, melodic and harmonic notation, intervals and chords, for students preparing for advanced courses in music.

Open on written permission of the instructor. Course 2 should follow. Tu. and Th. at 11. 408 Barnard. 2 points. [8]

PROFESSOR CADY.

5. THE OPERA. A rapid survey of the development of opera from Monteverdi to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 1. 408 Barnard. 3 points. [4]

PROFESSOR CADY.

6. THE SYMPHONY. Survey of symphonic style and structure from about 1750 to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 1. 408 Barnard. 3 points. [4]

MRS. CADY.

*13-14. LITERATURE OF CHAMBER MUSIC. A study of the literature of chamber music involving class analysis and performance of a selected list of compositions from the seventeenth century to the present day. Full-year course.

Prerequisite, Course 1a or the equivalent, and sufficient technical ability on piano, string, or wind instrument. Open only on written permission of the instructor. Tu., 3-5. 609 Journalism. 4 points.

PROFESSOR DITTLER.

*19, 20. LITERATURE OF CHORAL MUSIC. A study of the choral literature from the Renaissance to the present.

Prerequisite: Music 1-2 or the equivalent and the ability to read music. Tu. and Th. at 11. 608 Journalism. 2 points.

MR. AVSHALOMOFF.

*23-24. HISTORY OF MUSIC. A survey of the history of music from the beginning of the Christian era to the present. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11 and Th. at 1. 703 Journalism. 6 points.

MR. LOFT.

*25. INTRODUCTION TO BAROQUE MUSIC. Analysis, discussion and performance of representative music of the Baroque era, with special consideration of the place of music in the general culture of the period. Students will be required to submit original, critical reports on assigned topics.

Prerequisite, Course 31-32 or the equivalent. M., W. and F. at 9. 703 Journalism. 3 points.

MR. LOFT.

*27. INTRODUCTION TO CLASSICAL MUSIC. Analysis, discussion and performance of representative music of the Classical era, with special consideration of the place of music in the general culture of the period. Students will be required to submit original, critical reports on assigned topics.

Prerequisite, Course 31-32 or the equivalent. M., W. and F. at 2. 608 Journalism. 3 points.

MR. BAUMAN.

*28. INTRODUCTION TO ROMANTIC MUSIC. Analysis, discussion and performance of representative music of the nineteenth century, with special consideration of the place of music in the general culture of the period. Students will be required to submit original, critical reports on assigned topics.

Prerequisite, Course 31-32 or the equivalent. M., W. and F. at 2. 608 Journalism. 3 points.

MR. BAUMAN.

41-42. HISTORICAL AND ANALYTICAL STUDIES IN THE LITERATURE OF MUSIC. Required seminar for senior music majors to supplement and coördinate previous studies.

M., 3-5. 609 *Journalism*. 6 points. [10]

PROFESSOR CADY and MR. BAUMAN and other members of the department.

*57. BACH. A study of the content, forms, and styles of Bach's music.

Prerequisite, Course 31-32 or the equivalent. *Tu. and Th. at 2.* 603 *Journalism*. 2, or with the written permission of the instructor, 3 points.

PROFESSOR MOORE.

[*R58. TWENTIETH-CENTURY TENDENCIES IN MUSIC. Lectures and discussions of the idioms, esthetics, forms, and styles of the chief contemporary composers.

Prerequisite, Course 31-32 or the equivalent. 2, or with the written permission of the instructor, 3 points.]

PROFESSOR LUENING.

*109. STUDIES IN MEDIEVAL MUSIC. A survey of the main types of music through the fourteenth century, with detailed analysis of the music.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. *F.* 2-5. 703 *Journalism*. 3 points.

DR. HERTZMANN.

*110. STUDIES IN RENAISSANCE MUSIC. The main types of music from the fourteenth into the sixteenth century. Analysis of representative compositions and recordings.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. *F.* 2-5. 703 *Journalism*. 3 points.

DR. HERTZMANN.

[*112. ROCOCO MUSIC. Discussion and analysis of rococo music during the eighteenth century based on the study of representative compositions.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. 3 points. *Not given in 1948-49.*]

DR. HERTZMANN.

Collegium Musicum meets several times a year on Monday evenings to be announced. College Parlor, Barnard.

The aim of this organization is to acquaint the students with certain neglected and unfamiliar masterpieces in the literature of music, in order to supplement concert and recital programs to be heard in the city and elsewhere. All students majoring in music are required to attend the meetings and are urged to participate actively in the performance of vocal and instrumental music. The literature to be used embraces music from medieval times up to the present day. Emphasis is placed upon a variety of compositions and not on finished performance.

THEORY

31-32. HARMONY. A study of triads, tones of figuration, dissonance, and modulation. One hour each week is devoted to ear training and one hour to key-

board harmony. Students who register must be able to play the piano. Full-year course.

Prerequisite, Course 1a or the equivalent and the written permission of the instructor. M. and F. at 2, and W. 2-4. 408 Barnard. 8 points. [5]

MR. WIGGLESWORTH.

*35-36. COUNTERPOINT. Full-year course.

Prerequisite, Course 31-32 or the equivalent. M., W. and F. at 10. 408 Barnard. 6 points.

MR. AVSHALOMOFF.

*37-38. ADVANCED HARMONY AND ANALYSIS. An analytical study of the elements of chromaticism. The exercises in various styles are taken from the literature and are designed to introduce the student to characteristic features of musical texture. One hour each week will be devoted to a study of musical design. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Parallel, advised but not required, Course 35-36. M., W. and F. at 11 and a fourth hour to be arranged. 703 Journalism. 8 points.

PROFESSOR MITCHELL.

*39-40. COMPOSITION A. Composition in the smaller forms, including songs, choral settings of carols and anthems, piano or organ solos, and pieces for violin or other instruments with piano. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11. 609 Journalism. 4 points.

MR. BEESON.

*131-132. COMPOSITION B. Canon and fugue are studied with practice in writing in these forms. Freer compositions are made for chorus, organ, piano, and chamber-music groups. Full-year course.

Prerequisite, Course 35-36 and the written permission of the instructor. Tu., 3-5. 604 Journalism. 4 points.

PROFESSOR LUENING.

*133-134. ORCHESTRATION. The various instruments of the modern orchestra are described, with demonstrations by professional players. A considerable amount of arranging for orchestra is a part of the work. Full-year course.

Prerequisite, Courses 35-36, 37-38 or the equivalent and written permission of the instructor. F., 2-4. 609 Journalism. 6 points.

MR. LOCKWOOD.

APPLIED MUSIC

Note: Each course in applied music must be taken parallel to a theoretical or historical course in music in order to count toward the degree, with the exception of courses 73-74.

*63-64. UNIVERSITY CHAMBER ORCHESTRA.

W., 7:30-9:30. Casa Italiana Auditorium. 2 points.

PROFESSOR DITTLER.

The regular activities of the orchestra include two concerts in McMillin

Theater and two opera productions in Brander Matthews Hall. Membership in the orchestra is not limited to students who register for this course.

An audition schedule will be posted on the bulletin board of the Columbia Music Department during the registration period.

*67-68. UNIVERSITY BAND.

Tu., 7:30-9:45. 312 Hamilton. 2 points.

The *marching unit* of the band appears at all major athletic events. Membership is restricted to men.

The *concert unit* gives a number of local and out-of-town concerts during the season and appears at Commencement. Membership is open to both men and women. Neither unit is limited to students who register for this course.

Properly qualified students are privileged to receive lessons in connection with the course. Scholarships for *Orchestra* and *Band* are described below.

An audition schedule will be posted on the bulletin board of the Columbia Music Department during the registration period.

ORCHESTRA AND BAND SCHOLARSHIPS

Exceptionally qualified students who participate in all activities of the Chamber Orchestra or the Band are entitled to a partial refund of tuition fees.

*73-74. CONDUCTING AND SCORE READING. Lectures and practice in conducting. Reading, at the keyboard, of music for transposing instruments and of scores written in the C-clefs. Full-year course.

Prerequisite, Course 31-32 or the equivalent and the written permission of the instructor. Tu. at 2 and Th., 2-4, 609 Journalism. 6 points.

MR. THOMAS.

79, 80. VOCAL INSTRUCTION. Private lessons in voice production and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$100 each session; no refunds. One hour weekly to be arranged. 406 Barnard. 2 points (see note, page 106). [0]

MME. RYBNER-BARCLAY.

83, 84. ORGAN INSTRUCTION. Individual instruction in the technic of the instrument and a weekly class lesson, or lecture recital, on the interpretation of the works of representative organ composers.

Open only on written permission of the instructor. Hours to be arranged. 2 points (see note, page 106). [0]

83a, 84a. Private lessons. Special fee, \$100 each session; no refunds.

83b, 84b. One hour a week in a group of three. Special fee, \$60 each session; no refunds.

83c, 84c. One hour a week in a group of four. Special fee, \$45 each session; no refunds.

MR. WEINRICH.

91, 92. PIANO INSTRUCTION FOR BEGINNERS. Private lessons in the technic of the instrument and in interpretation.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$75 each session; no refunds. Hours to be arranged. 406 Barnard. 2 points (see note, page 106). [0]

MISS HILL.

93, 94. PIANO INSTRUCTION FOR ADVANCED STUDENTS. Private lessons in the technic of the instrument and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early in the registration period as possible. Special fee, \$160 each session; no refunds. Hours to be arranged. 406 Barnard. 2 points (see note, page 106). [0]

MR. SHERIDAN.

*G. S. Music 95-96. HARPSICHORD INSTRUCTION. Private lessons at hours to be arranged.

Special fee, \$100 each session. A harpsichord is available for practice at no additional charge. 2 points. (See note, page 106.)

MISS PESSL.

BARNARD GLEE CLUB. JACOB AVSHALOMOFF, Director.

All Barnard students are eligible for membership. The repertory will consist chiefly of compositions for women's voices from the literature of the masters and representative contemporary composers and of arrangements of folk music of various countries.

Besides appearances at the College, the Glee Club's schedule normally includes broadcasts and concerts outside of college, joint programs with men's and other women's colleges and two concerts each season with the Columbia University Glee Club and the Columbia University Orchestra at which more elaborate choral works will be performed.

Rehearsals: Tu. and Th., 5-6:15. 408 Barnard.

Audition dates: Th., Sept. 23, 4-6 and Tu., Sept. 28, 4-5. 408 Barnard.

First rehearsal: Tu., Sept. 30.

CHAPEL CHOIR. DR. LOWELL P. BEVERIDGE, Director of Chapel Music. All men and women students of the University are eligible to sing in the Chapel Choir. Regular members of the choir are entitled to a refund of a portion of their tuition fees.

Services: Daily except Saturday, 12-12:20, and Sunday at 11.

Rehearsals: M., W. and F., 5-6:15; Sunday, 9:45. Chapel Crypt.

Auditions: M., Sept. 20, 3-5; Tu., Sept. 21, 10-12 and 3-5; W., Sept. 22, 10-12. Chapel Crypt.

ORIENTAL CIVILIZATIONS

Courses in oriental language, literature, history, philosophy, and art, given at Columbia University and described in the Announcement of the Faculty of Philosophy, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

PHILOSOPHY

WILLIAM P. MONTAGUE, Ph.D., LL.D., Johnsonian Professor of Philosophy,
Emeritus

HELEN HUSS PARKHURST, Ph.D., Professor of Philosophy,
Executive officer

GERTRUDE V. RICH, Ph.D., Assistant Professor of Philosophy

JOHN E. SMITH, A.B., B.D., Instructor in Religion and Philosophy

JOSEPH GERARD BRENNAN, Ph.D., Instructor in Philosophy

Since the philosopher raises fundamental questions about the universe, man, and human institutions, and since he endeavors to correlate the various fields of knowledge in his search for the good, the true, and the beautiful, philosophic study is peculiarly bound up with and dependent upon all other studies. According to which subdivision of the whole field of philosophy—ethics, logic, metaphysics, esthetics—particularly interests those majoring in the subject, one or another group of courses will be found especially valuable. Strongly recommended:

1) in connection with the study of *individual and social ethics* are certain courses in religion, psychology, anthropology, government, and sociology;

2) in connection with the study of *logic*, courses in mathematics, statistics, scientific methods, and linguistics;

3) in connection with the study of *metaphysics*, courses in the sciences of inorganic and organic nature;

4) in connection with the study of *esthetics*, certain courses in music, fine arts, psychology, anthropology, and the literatures, ancient and modern;

5) in connection with the study of the *history* of philosophic ideas, courses in the history of science and in political and social history.

So intimately connected with the subject-matter of philosophy is the subject-matter dealt with in such courses that, by special arrangement, a limited number of points, not exceeding 6, in related departments, may count toward the 28-point requirement for a major in philosophy.

I (or RI). INTRODUCTION TO PHILOSOPHY. A survey of the various subdivisions of philosophic inquiry with special consideration of the metaphysics of materialism and idealism and their respective affiliations with natural science and with religion.

3 points either session in Group III. [16]

Winter session: M., W. and F. at 9 (I); at 10 (II); at 1 (III); at 2 (IV) for freshmen only. Spring session the same.

PROFESSORS PARKHURST and RICH, DR. BRENNAN, and MR. SMITH.

3. METAPHYSICS OF LIFE AND MIND. A continuation of the introductory study of philosophy, with particular stress upon the cosmological positions of Dualism or Vitalism, and of Positivism and the related doctrine of Pragmatism.

Prerequisite, Course 1 or the equivalent. M., W. and F. at 11. 3 points in Group III. [3]

PROFESSOR MONTAGUE and DR. BRENNAN.

6. LOGIC, INDUCTIVE AND DEDUCTIVE. A survey of the principles of Aristotelian logic.

M., W. and F. at 11. 3 points in Group II or III. [3]

DR. BRENNAN.

22. ETHICS. A study of right and wrong and of the nature of good and bad with notes on the cosmic genesis and human context of each.

Open to juniors and seniors, and to qualified sophomores on written permission of the department. M., W. and F. at 11. 3 points in Group III. [3]

MR. SMITH.

41-42. GENERAL ESTHETICS. A survey of the main problems of esthetic theory including the origins of art, the nature of creative imagination and esthetic experience and the meaning of the beautiful, the sublime, the tragic, and the comic. The arts will be treated comparatively for a distinguishing of their similarities and differences of medium, subject-matter and esthetic form and for a consideration of their relations to the experienced world and everyday living. Full-year course.

Open to juniors and seniors, and to qualified sophomores on written permission of the department. Tu. and Th. at 9. 6 points in Group I. [6]

PROFESSOR PARKHURST.

43. PHILOSOPHICAL IMPLICATIONS OF THE CONTEMPORARY NOVEL. The following themes will be developed: the relation of man to nature and to art: the rôle played in human affairs by moral standards and values; conceptions of the dignity of man; the effect of political forces upon the individual person. Selected works of Joyce, Mann, Kafka, A. Zweig, Malraux, Koestler, Steinbeck, Farrell, and other important contemporary novelists will be read and discussed.

Prerequisite, Course 1 (R1), 41-42 or the equivalent, or the written permission of the instructor.

M., W. and F. at 1. 3 points in Group III. [4]

DR. BRENNAN.

[45. THE ESTHETICS OF POETRY AND PROSE. A study of the musical aspect of poetry—rhythm, rhyme, alliteration, and stanzaic patterns; of poetic imagery in prose as well as poetry; and of principles of prose style.

2 points in Group I. Not given in 1948-49.]

PROFESSOR PARKHURST.

53, 54. PROBLEMS OF ESTHETICS.

This course may be taken only in connection with some other course in esthetics. Hour to be arranged for individual conferences for the discussion of important texts. 2 points in Group I. [0]

PROFESSOR PARKHURST.

61-62. THE HISTORY OF PHILOSOPHY. Full-year course.

Open to juniors and seniors, and to qualified sophomores on written permission of the department. M., W. and F. at 10. 6 points in Group III. [2]

PROFESSOR MONTAGUE and DR. BRENNAN (first term); PROFESSOR RICH, DR. BRENNAN, and MR. SMITH (second term).

63, 64. READINGS IN THE HISTORY OF PHILOSOPHY.

This course may be taken only in connection with some other course in philosophy. Hour to be arranged for individual or group conferences for the discussion of important texts. 2 points in Group III. [0]

DR. BRENNAN.

65-66. SPECIAL READING.

Required of all majors in the junior and the senior year. Hours to be arranged for individual and group conferences. 1 point each term. [0]

PROFESSOR PARKHURST and DR. BRENNAN with the coöperation of other members of the department.

[67. SEVENTEENTH AND EIGHTEENTH CENTURY BRITISH PHILOSOPHY AND ITS INFLUENCE. This course is designed to give the student an acquaintance with the general background of seventeenth and eighteenth century British thought, with special emphasis on the development of the liberal tradition in politics, religion, and ethics, and some knowledge of the influence of this tradition on French philosophy and on the American democratic ideal. To this end Newton and Locke and a number of other British philosophers, and certain French thinkers including Montesquieu, Voltaire, Helvetius, and Rousseau, are considered, as they affect the scientific world-picture and the developing belief in the natural rights of man.

Preceding or parallel, Philosophy 61-62, except by special permission. 3 points in Group III. Not given in 1948-49.]

PROFESSOR RICH.

[69. THE LIBERAL TRADITION IN PHILOSOPHIC THOUGHT. The study will involve a definition and evaluation of liberalism, and its application in the fields of religion, ethics and politics from the time of Socrates to the present day.

Preceding or parallel, Philosophy 61-62, except by permission of the instructor. 3 points in Group III. Not given in 1948-49.]

PROFESSOR RICH.

70. AMERICAN PHILOSOPHY. A brief development of the Puritan tradition in America and of the political philosophy out of which our institutions have grown will preface a consideration of the great schools of philosophy and their recent American representatives, especially Royce, James, Santayana, Dewey, and the Neo-Realists.

Prerequisite, Courses 1 and 4, or 61-62, except by special permission. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III. [7]

PROFESSOR RICH.

[72. GERMAN IDEALISM. A study of the fundamental doctrines of the idealist philosophers Leibniz, Kant, Fichte, Schelling, Hegel and Schopenhauer. Special reference will be made to the social, religious and political influence of these thinkers in Germany, England, and America. Mention will be made of the British thinkers T. H. Green and F. H. Bradley, and of the American

philosopher Josiah Royce. Reading of original sources will take precedence over secondary material.

Prerequisite or parallel, Philosophy 61-62. 3 points in Group III. Not given in 1948-49.]

MR. J. E. SMITH.

91, 92. AMERICA AND THE FUTURE—SCHEMES FOR A BETTER WORLD.

This course may count toward a major in philosophy and in other subjects with the consent of the department concerned. For full description see page 46. W., 3-5. 4 or 6 points in Group III. [0]

PROFESSORS PARKHURST and RICH with the collaboration of MR. SMITH and guest speakers.

See also *American Studies 13-14*, page 44.

PHYSICAL EDUCATION

¹MARION STRENG, A.M., Assistant Professor of Physical Education
MARGARET HOLLAND, A.M., Assistant Professor of Physical Education,
Executive officer

LELIA M. FINAN, A.M., Associate in Physical Education
FERN YATES, A.M., Instructor in Physical Education
CORINNE BIZE, A.M., Instructor in Physical Education
MARION W. PHILIPS, A.M., Instructor in Physical Education
———, Instructor in Physical Education

The Program. The program for health, physical education and recreation is organized and supervised by the Department of Physical Education, the Medical Department and the Executive Board of the Athletic Association to serve the interests, needs and capacities of the students. Barnard College does not offer a major in physical education. Students who are interested in this field as a profession are advised to consult a member of the department for suggestions as to curriculum.

The Aim. The *ultimate* aim of the Medical and Physical Education Departments is to equip each student with knowledges, skills, habits and attitudes concerning health, physical activity and recreation. Participation in such a program should insure for her the optimum in "fitness for living," a variety of motor skills and an enjoyment of activities for their recreational and leisure time values.

The Medical and Physical Examination. All new students are given a complete medical and physical examination upon entering college; during the first term of the sophomore year and during the second term of the junior year. Seniors are required to report for a medical check-up during the first term of the senior year. The results of this examination are expressed in terms of health and activity grades.

All students previously enrolled are required to report to the office of the College Physician for *medical inspection* upon returning to college in the fall of each year.

¹ Absent on leave, winter session, 1948-49.

Prescribed Costume. All students are required to wear the regulation costume indicated for the various activities classes. Approximate cost \$15.00. For further information see syllabus.

The Requirement. The Faculty requires physical education throughout the college course. Failure to complete this requirement may result in the postponement of the degree.

Freshman and sophomore requirement is three hours per week on different days.

During the first semester freshmen are required to take a prescribed course in body mechanics and rhythmic fundamentals. M. and W. at 10 (I), 11 (II), 2 (III), 3 (IV). Two hours credit toward the requirement.

Junior and senior requirement is two hours per week on different days.

Senior Exemption. During the second term of the senior year seniors may be exempt from any further regular physical education activity, provided certain objectives are fulfilled. *See syllabus for details.*

Program of Activities. Two seasons each semester. Except for two hours which are prescribed for freshmen during the first semester, all students elect their 3½ hours of activity depending upon their health, activity status and special interests. Those interested in "senior exemption" must keep in mind that electives must be chosen from each of the four groups of activities.

1—offered throughout the year.

2—fall term only.

3—no particular season.

4—not open to freshmen—limited facilities—preference to upperclassmen.

Fall and Spring: archery; 3 canoeing; deck tennis; golf; 2 hockey; riding; 1 six passes; softball; 1 swimming; tennis; volley ball.

Winter; both semesters: American square-country dance; badminton; basketball; body mechanics; 4 bowling; 3 canoeing; conditioning exercises; correctives; diving; 4 fencing; folk dance; fundamentals; Greek games athletics and/or dance; modern dance; Red Cross life-saving; riding; 1 six passes; 1 swimming; water ballet.

In all of these activities students are advised to register according to their skill level, i.e. beginning, intermediate and advanced.

The June camp leadership course at Barnard College Camp aims primarily to train students who are interested in the organization and conduct of Barnard College Camp. A fee of \$20.00 is charged for the two-week period. This is an entirely voluntary course and is not a part of the physical education program.

101, 102. DANCING, SPORTS, GAMES, AND SWIMMING for women graduate students under the Faculties of Philosophy, Political Science, and Pure Science, and women students in the professional schools of the University (except Teachers College). All regular sections are open, provided the registration is

not already filled by undergraduate students. Graduate students who wish credit must take work in classes in which instruction is given and should avoid "open hour" sections.

3 hours. 2 points.

PHYSICS

¹HENRY A. BOORSE, Ph.D., Professor of Physics,
Executive officer

WILLIAM W. HAVENS, JR., Ph.D., Assistant Professor of Physics

MIRIAM GABIN, A.B., Assistant in Physics

Mrs. Barbara Fawley, B.S. assistant

A major in physics. Students majoring in physics will be required to take: *Physics.* Courses to be arranged in consultation with the department.

Other fields. Mathematics: through the differential and integral calculus and, if possible, differential equations. Two semesters of calculus should be completed by the beginning of the junior year. Chemistry: One year's work. A reading knowledge of French or German by graduation. A course in the biological sciences is recommended.

3-4. GENERAL PHYSICS. Full-year course.

Preceding or parallel, mathematics through trigonometry. Lectures: M., W. and F. at 11. Laboratory: 2 hours each session, M., 2-4; Tu., 9-11, 2-4; Th., 1-3. If more than 56 students elect the course, F., 2-4. A third hour, following the laboratory period, is devoted to a discussion of problems and the application of physical principles. Election of the third hour is optional but is advised for all students, especially those seeking to fulfill the premedical requirement. 8 or 9 points. [3]

PROFESSORS BOORSE, HAVENS, and MISS GABIN.

3a-4a. GENERAL PHYSICS. Lectures identical with those of Course 3-4. No laboratory work. Discussion hour optional but advised. Full-year course.

To follow or parallel a laboratory science. M., W. and F. at 11. 6 or 7 points in Group II. [3]

PROFESSORS BOORSE, HAVENS, and MISS GABIN.

6. PHOTOGRAPHY. The theories of optics as applied to photography and photomicrography. The principles of still and motion picture photography; infra-red, ultra-violet and X-ray photography. The theory of color photography.

Prerequisite, Course 3-4, except on written permission of the instructor.

Lecture: Th. at 10. Laboratory (4 hours) on Th. 3 points. [7]

PROFESSOR HAVENS.

7. MODERN PHYSICS. An elementary introduction to modern atomic and nuclear physics. Intended for all students who have completed general physics

¹ Absent on leave, spring session, 1948-49.

and wish to obtain a better understanding of recent important developments in physics.

Prerequisite, Course 3-4. M., W. and F. at 2. 3 points. [5]

PROFESSOR BOORSE.

31. MECHANICS.

Prerequisite, Course 3-4 and Mathematics 31, except on written permission of the department. M., W. and F. at 1, and 2 hours of laboratory work. 4 points. [4]

PROFESSOR HAVENS.

33. LIGHT.

Prerequisite, Course 3-4 and Mathematics 31-32. M., W. and F. at 1, and 2 hours of laboratory work. 4 points. [4]

PROFESSOR BOORSE OR PROFESSOR HAVENS.

35. ELECTRICITY AND MAGNETISM. Electrostatics and Direct Current Phenomena.

Prerequisite, Course 3-4 and Mathematics 31-32. M., W. and F. at 3 and 2 hours of laboratory work, W. 4-6. 4 points. [10]

PROFESSOR HAVENS.

36. ELECTRICITY AND MAGNETISM. Alternating Currents and Electronics.

Prerequisite, Course 35. M., W. and F. at 3 and 2 hours of laboratory work, W. 4-6. 4 points. [10]

PROFESSOR HAVENS.

37, 38. SUPPLEMENTARY LABORATORY WORK in mechanics, heat, light or electricity, electronics and the properties of vacuum tubes may be arranged in consultation with the instructors.

Hours and credit by arrangement. [0]

PROFESSORS BOORSE and HAVENS.

40. HEAT AND INTRODUCTION TO THERMODYNAMICS.

Prerequisite, Courses 31 and 35, except on written permission of the department. Preceding or parallel, Mathematics 31-32. Hours to be arranged. 3 points.

PROFESSOR BOORSE.

PORTUGUESE

MARÍA DE LOURDES SA PEREIRA, A.M., Lecturer in Portuguese

1-2. ELEMENTARY FULL-YEAR COURSE. Grammar, reading of Portuguese and Brazilian authors, oral reports, and conversation.

This course may not be taken parallel to Italian 1-2 or Spanish 1-2. M., W. and F. at 3. 6 points. [10]

MRS. SA PEREIRA.

3, 4. INTERMEDIATE COURSE. Review of grammar and study of outstanding works in Portuguese and Brazilian literatures.

M., W. and F. at 2. 6 points. [5]

MRS. SA PEREIRA.

PSYCHOLOGY

RICHARD PARDEE YOUTZ, Ph.D., Associate Professor of Psychology,
Executive officer

S. STANSFELD SARGENT, Ph.D., Associate Professor of Psychology

BERNICE M. WENZEL, A.M., Instructor in Psychology

KATHARINE PEASE, A.M., Instructor in Psychology

GLORIA L. GRACE, A.M., Instructor in Psychology

CHRISTINE FLURRY, A.B., Assistant in Psychology

—————, Assistant in Psychology

A major in psychology will satisfy the requirement in Group II. Students majoring in this subject must satisfy the 14-point requirement in Group III in subjects other than psychology. For other students, courses in psychology will count toward the requirement in the group indicated.

A major in psychology. Students majoring in psychology will be required to take:

Psychology. Courses 1 or R1, 7-8, 58 or a second course (total 6 points) in philosophy, and the additional points with the advice of the department.

Other fields. One course in philosophy (3 points); one year (8 points) in zoölogy, chemistry, or physics¹; and an organized program in other fields to be arranged in consultation with the department.

Sequence of courses:

Courses 1 or R1, 9, 12, 23, 26, 27, 28, 37 make a good grouping for students interested in education.

Courses 1 or R1, 9, 12, 22, 23, 26, 27, 28, 37 meet the interest of students in the social sciences, social work, business, and practical affairs.

Courses 1 or R1, 7-8, 9, 12, 22, 25, 48, 58 constitute a good background for more advanced work in psychology and related fields.

1 (or R1). INTRODUCTION TO PSYCHOLOGY. An introduction to the chief facts, principles, and problems of normal adult psychology, through systematic study of a text, lectures, exercises, and reading in special fields. This course is prerequisite for all other courses in psychology and in education.

4 points either session in Group III. [11]

Winter session: 1—M., W. and F. at 9 (I). M., W. and F. at 10 (II). Tu., Th. and S. at 9 (III) for freshmen only. Tu., Th. and S. at 10 (IV).

Spring session: R1—M., W. and F. at 9 (I). M., W. and F. at 10 (II). Tu., Th. and S. at 9 (III) for freshmen only. Tu., Th. and S. at 10 (IV).

PROFESSOR SARGENT, MISSES WENZEL and PEASE, and MRS. GRACE.

7-8. EXPERIMENTAL PSYCHOLOGY. The course presents the chief problems, methods, and results of experimental psychology. Each student conducts a series of typical individual experiments, participates in certain group experiments, prepares systematic reports of results, and is introduced to the literature of experimental psychology. Full-year course.

Prerequisite, Course 1 or the equivalent. (Written permission required for specific section.) 8 points in Group II. [11]

¹ Starting with the Class of 1952; until then any 8-point laboratory science fulfills the requirement.

W. and F., 1-4 (I) limited to 18 students.

M. and W., 1-4 (II) limited to 12 students.

Tu. and Th., 2-5 (III) limited to 18 students.

Tu. and Th., 2-5 (IV) limited to 12 students.

M. and F., 1-4 (V) for non-majors. Limited to 12 students.

PROFESSORS YOUTZ and SARGENT, MISSES WENZEL and PEASE, and MRS. GRACE.

9. **PSYCHOMETRIC METHODS.** Designed to acquaint students with quantitative methods in psychology and allied subjects. Topics included are a review of basic statistics, psychological scaling methods, statistical estimation and prediction, testing hypotheses, measuring reliability and validity, and theory of test construction.

Prerequisite, Course 7-8. No credit allowed students who have taken Economics 18. M., W. and F. at 11. 3 points in Group II. [3]

MISS PEASE.

12. **PSYCHOLOGICAL TESTS.** An introduction to standardized scales of mental measurement through demonstration of their nature, use and interpretation, and practice in their administration. Each student must arrange to bring at least one child to the college for examination for at least one afternoon laboratory period.

Prerequisite, Course 7-8. Tu. at 2 and Th., 2-5. 3 points in Group II. [9]

MISS WENZEL.

22. **ABNORMAL PSYCHOLOGY.** A general survey of the field of psychopathology, the history of the subject, the more common forms of mental inadequacy and disturbance and their psychological interpretation, including the principles of mental hygiene and psychotherapy.

Open to juniors and seniors who have had Psychology 1 (or R1) and one or more additional courses in psychology. Tu. and Th. at 11 and consultations in connection with work for the third point. 3 points in Group II. [8]

PROFESSOR YOUTZ.

23. **APPLIED PSYCHOLOGY.** Applications of psychology to problems of vocational guidance and selection, personnel, industrial efficiency, advertising and selling, clinical work, detection and treatment of delinquents and criminals, and other problems of practical interest.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 10. 2 or, with written permission of the instructor for additional conference hour, 3 points in Group II. [7]

PROFESSOR YOUTZ.

25. **PHYSIOLOGICAL PSYCHOLOGY.** A study of the relationships between physical structure and psychological functions. Emphasis will be placed on phenomena of sensation and perception, but attention will also be given to principles of neural action, learning and retention, thinking, and speech.

Prerequisite, Course 1 or the equivalent plus one of the following: Course 7-8, Zoölogy 1-2, or Zoölogy 9-10. Tu. and Th. at 11 and consultations in connection with work for the third point. 3 points in Group II. [8]

MISS WENZEL.

26. **PSYCHOLOGY OF PERSONALITY.** A survey of the contemporary methods and views of the description of the individual, including the factors in the development of personality and the practical aspects of personal adjustment in changing society. Attention is given to the contributions from experimental psychology.

Prerequisite, Course I or the equivalent. M. and W. at 9 and consultations in connection with work for the third point. 3 points in Group III. [1]

MISS PEASE.

27. **PSYCHOLOGY OF CHILDHOOD.** A detailed study of the practical problems of infancy and early childhood, with special emphasis on learning, emotional development, social adjustment, and modern conceptions and methods of child training and guidance. Individual work (six hours a week) as a teacher's assistant in a nursery school may be substituted for the term report, upon consultation with the instructor.

Prerequisite, Course I or the equivalent. M., W. and F. at 10. 3 points in Group III. [2]

MRS. GRACE.

28. **PSYCHOLOGY OF ADOLESCENCE.** The mental, social, moral, and emotional development of adolescence and youth will be studied, special attention being given to such topics as guidance, adjustment, interests, motivation, home problems, sex relations, recreation, delinquency, and development for citizenship. Individual work with adolescent children.

Prerequisite, Course 27. M., W. and F. at 10. 3 points in Group III. [2]

MRS. GRACE.

37. **SOCIAL PSYCHOLOGY.** How the developing individual becomes socialized; effect of social factors upon habits, motives, attitude, and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology, and anthropology is surveyed and evaluated.

May count toward either a sociology or a psychology major. Prerequisite, Course I or Sociology I-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III. [10]

PROFESSORS SARGENT, ARENSBERG and KOMAROVSKY.

48. **INDIVIDUAL PROJECTS.** Qualified students will be guided and supervised in special projects or in the investigation of approved problems.

Open on written permission of the instructor only to major students who have had Course 7-8. Hours to be arranged. 2 points in Group II. [11]

PROFESSORS YOUTZ and SARGENT, MISSES WENZEL and PEASE, and MRS. GRACE.

58. **SYSTEMATIC PSYCHOLOGY.** A comparative, critical, and historical survey of the more influential points of view in psychology, with an endeavor to organize them into a consistent system of facts and principles. The instructor reviews contemporary viewpoints on selected representative topics and each

student makes and reports studies of important psychological people, institutions, or movements.

Required of all major students except those electing 6 points in philosophy, and open to those who have had Course 7-8. Tu. and Th. at 10 and consultations in connection with work for the third point. 3 points in Group II. [7]

PROFESSOR SARGENT.

RECREATIONAL LEADERSHIP

MARGARET HOLLAND, A.M., Assistant Professor of Physical Education and CORINNE T. BIZE, A.M., Instructor in Physical Education, assisted by special lecturers from the Departments of Sociology and Psychology and from outside agencies which specialize in the fields of music, crafts, and story-telling essential in a recreation program.

I or RI. INTRODUCTORY COURSE. This course is planned to give students an intelligent understanding and appreciation of the whole field of recreation. It consists of lectures, discussions, practice and participation in recreational activities such as community music, arts and crafts, informal dramatics, story-telling, games and other informal social activities.

Volunteer field work prescribed in *Psychology 27, 28* and *Sociology 22* may be accepted in this course.

Participation in extra-curricular activities which are related to recreation and social work is especially recommended for practice and experience.

M. and W. at 4. Additional hours arranged for field work. 2 points spring session.

RELIGION

URSULA M. NIEBUHR, S.T.M., M.A. (Oxon.), Assistant Professor of Religion,
Executive officer

JOHN E. SMITH, B.D., ~~Instructor~~ *asst. Prof.* in Religion and Philosophy

A major in religion. Students majoring in religion will be required to take: 20 points in the department, the remainder of the 28 points for the major requirement to be taken from the related fields of philosophy, history and anthropology.

Students may combine work in other departments with their work in religion to make up a group of correlated courses, such as Hebrew (O.T.) and early Christian Religion, with ancient history, and philosophy or art; or comparative religion with philosophy and anthropology; the history of Christian thought with European history and medieval or modern literature or art. Certain of these courses may also count toward the requirement in Group I or Group II (see pages 26-28) and should be selected in consultation with the adviser.

1, 2. THE BIBLE. The history, literature and interpretation of the Old and New Testaments.

Winter session: The development of the religious ideas of the Old Testament, with reference both to the historical backgrounds and to the problems of expression involved. Study will be directed so that in addition to the general survey, each student should have particular knowledge of the structure and content of at least one historical book, one prophetic book, and one poetic or wisdom book.

Spring session: The thought and literature of the New Testament. The earliest records; a study of the Gospels in the making, and the content of the early preaching. St. Paul's letters; his theology and the development of the early church. The Book of Acts; the story of how the Gospel spread from Jerusalem to Rome. The Johannine Gospel and Epistles. The Gospel in a gentile world. Persecution and heresies. Other New Testament writings.

Tu. and Th. at 11 and extra conference hour. 6 points. [8]

MRS. NIEBUHR.

3, 4. THE PHILOSOPHY OF RELIGION. An analysis of the nature of religion involving discussion of its relation to theoretical knowledge, both scientific and philosophic. The historical and cultural settings of religious forms will be indicated and various interpretations of God, man, nature and history will be set forth and examined.

Winter session: Religion and the problem of knowledge.

Spring session: Religion and its relations to ethics, metaphysics and theology.

Open to all except freshmen. Religion 1, 2 or Philosophy 1 will be found helpful.

M. and W. at 3, and conference hour. 6 points. [10]

MR. SMITH.

5, 6. HISTORY OF RELIGIOUS THOUGHT I. EARLY CHRISTIANITY AND ITS BACKGROUND OF JUDAISM AND HELLENISM. The world into which Christianity came. The Bible and early theology; Jewish and Hellenistic influences; the Church and the Roman empire; Heretics and Fathers, and the problems of a Christian philosophy.

Winter session: Second century Christianity, the developing tradition, and the Church in the world. The Biblical and Hellenistic elements in the teaching of the early fathers. The doctrines of creation, time and eternity; the doctrine of Christ and of salvation, and theories of redemption in eastern and western thought.

Spring session: The significance of St. Augustine. Classical and Biblical elements in his thought. His doctrines of sin and grace, and his philosophy of history.

Prerequisite, Religion 1, 2 or the equivalent. Tu. and Th. at 9, and conference hour. 6 points. [6]

MRS. NIEBUHR.

7, 8. HISTORY OF RELIGIOUS THOUGHT 2. A study of the religious and philosophic tradition in the west from St. Augustine to the contemporary scene with special reference to the relations between reason and faith.

Winter session: The developing religious and philosophic tradition in the west. The medieval synthesis of reason and faith and its ultimate collapse.

Spring session: Relations between science, religion and philosophy since the Renaissance and the Reformation. The contemporary scene.

Open to all except freshmen. Philosophy 1 or the equivalent will be helpful. Tu. and Th. at 10, and conference hour. 6 points. [7]

MR. SMITH.

9, 10. RELIGION AND ISSUES OF CONTEMPORARY LIFE AND CULTURE. A study of the relation of religion to the political, social and intellectual problems of the day. The resources of religious insight in their historical expression in the western tradition and in contemporary thought will be considered.

Winter session: Religion and contemporary culture. A discussion of the religious factors involved in the contemporary cultural and social situation. Special study of secular alternatives to the historic religions in our liberal culture and in modern political religions.

Spring session: Religion and contemporary social issues. The relation of religion to the problems of social and political life. The historical development of democracy and nationalism, and the relation of religious forces and presuppositions to that development. The struggle for social and economic justice, and the variety of religious positions thereupon. Religion and the ethics of social change.

Open to all except freshmen. 2 or 3 points. Th. 1-3. [9]

MRS. NIEBUHR.

11, 12. SPECIAL READING. Readings from religious classics and from other important works bearing on the individual student's particular line of study in conjoined courses.

For majors in religion. Open to others by special permission only in connection with other work in religion. Conference hours to be arranged. 4 points.

MRS. NIEBUHR and MR. SMITH.

[13, 14. SYMPOSIUM: INTERPRETERS OF LIFE. The course assembles major historians, poets, and philosophers, whose works are great commentaries on western life and institutions. The aim is to introduce students to a wide range of ideas through primary sources basic for later studies of society and culture, as well as of religion and philosophy.

Open to all classes. Majors in religion, electing this course, are advised to do so early in their sequence. 6 points. Not given in 1948-49.]

PROFESSOR FRIESS, MR. SMITH and associates.

RUSSIAN

1-2. ELEMENTARY COURSE. Three hours of language analysis and two hours of oral practice weekly. This course familiarizes the beginner with the essentials

of the spoken and written language; classroom instruction is devoted mainly to the study of grammar and to reading; oral practice sessions are held in small groups.

M., W. and F. at 2. Oral practice sessions: Tu. and Th. at 2. 8 points. [5]

3, 4. INTERMEDIATE COURSE. Three hours of language analysis and two hours of oral practice weekly. A review of the fundamentals of grammar is followed by an analysis of more complex grammatical phenomena; composition, reading of moderately difficult texts, and oral practice groups.

Prerequisite: Russian 1-2 or its equivalent. If sufficient enrollment is not obtained, the right to withdraw this course is reserved.

M., W. and F. at 3. Oral practice sessions: Tu. and Th. at 3. 8 points. [10]

8. INTRODUCTION TO RUSSIAN LITERATURE. This course will require representative readings in English of the principal Russian novels and dramas of the nineteenth century—Gogol, Dostoyevsky, Turgenev, Tolstoy, etc., and lectures on the literary contributions of these men.

M. and W. at 11. 2 points. [3]

SLAVIC LANGUAGES

Courses in various Slavic languages (Russian, Czech, Polish, and Serbocroatian) are given at Columbia University and are described in the Announcements of the School of General Studies and the Faculty of Philosophy. These courses are open to properly qualified seniors, with the permission of the instructors and the Committee on Instruction of Barnard College. The following graduate courses are recommended as suitable for Barnard seniors:

[*Slavic Philology 101. Slavic Peoples, their languages and civilization. PROFESSOR JAKOBSON. 3 points. Not given in 1948-49.*]

**Russian 108. Russian Literature of the Eighteenth Century. PROFESSOR MANNING. 3 points.*

**Russian 133. (Russian Institute). Soviet Russian Literature. PROFESSOR SIMMONS. 2 points.*

**Russian 134. (Russian Institute). The Drama and Theatre of Soviet Russia. PROFESSOR SIMMONS. 2 points.*

SEMITIC LANGUAGES

Courses in Hebrew and Arabic language, literature, and history, given at Columbia University and described in the Announcement of the Faculty of Philosophy, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SOCIOLOGY

CONRAD M. ARENSBERG, Ph.D., Associate Professor of Sociology,
Executive officer

MIRRA KOMAROVSKY, Ph.D., Associate Professor of Sociology

CORA KASIUS, B.A., Lecturer in Sociology

Gladys Meyer, Ph.D. asst Prof of Sociology
A major in sociology. Students majoring in sociology will be required to take:
Economics 1, 2, 17 and other courses which will vary with the interests of the student. With written permission of the department, one or more courses in allied subjects may be offered as part of the required 28 points. Only one introductory course may count toward the major.

Other social sciences. In view of the essential unity of the social sciences, every student majoring in sociology is required to take courses amounting to at least 12 points in two of the following departments: anthropology, economics, geography, government, history, philosophy, psychology, religion.

See also *Other Interdepartmental Majors*, page 45.

1-2. INTRODUCTION TO SOCIOLOGY. Social structure and dynamics: social behavior, culture, group formation, social change. The structure of communities, social segmentation and stratification. The functions of social institutions; the processes of social interaction; the interdependence of social groups. Social factors in contemporary problems such as changes in family institutions, group conflicts, race relations, migration and population growth, community disorganization, crime, neurosis.

Open to all except freshmen. M. and W. at 11 and sections at one of the following hours: Th. at 11 and F. at 10 and 11. 6 points. [3]

PROFESSORS ARENSBERG and KOMAROVSKY.

[11. SOCIAL PSYCHOLOGY OF LEADERSHIP. The nature of leadership. Leadership in communities, primary groups, conflict groups, and associations. Leadership and social movements. Leadership in institutions of segregative care; the nature of highly organized relationships. Prestige and social distance. Ritual and leadership. Leadership in the subordinated or inmate group.

3 points. Not given in 1948-49.]

PROFESSOR ———.

21, 22. AN INTRODUCTION TO THE FIELD OF SOCIAL WORK. A description of types of social work found in present-day practice and an interpretation of main underlying principles; social work organizations and the various methods employed in meeting social problems.

Open to juniors and seniors. Th., 3-5 and an individual project for third point each term. 4 or 6 points. [12]

MISS KASIUS.

31, 32. THE FAMILY. The family in primitive and historic society; the Industrial Revolution and the evolution of the modern family; changes in family

functions, in the rôle of women, the growing instability, and other trends of change in the modern family; social interaction in the contemporary family; courtship; problems of marriage adjustment; the child in the family; family disorganization; current research; probable direction of future change.

Prerequisite, Course 1-2 or Psychology 1 or R1. Course 31 is prerequisite for Course 32. Tu., 2-4 and a third hour to be arranged. 4 or 6 points. The work of the third point usually consists of a joint research project covering some phase of the subject. [9]

PROFESSOR KOMAROVSKY.

33. THE COMMUNITY 1. RURAL-URBAN SOCIOLOGY. The growth and structure of the community. Forms of the community in rural and urban life. Cultural, ecological, and institutional patterns in the growth of community life and organization in city and country. Social structure and processes exemplified in recent studies of communities in America and abroad.

Prerequisite, Sociology 1-2. M., W., F. at 2. 3 points. [5]

PROFESSOR ARENSBERG.

34. THE COMMUNITY 2. POPULATION, ETHNIC GROUPS, AND SOCIAL STRATIFICATION. The composition and distribution of populations, majority and minority groups, and social classes, particularly within the United States. Their rôles in the structure of the community, their particular cultures, internal organization, and problems of individual adjustment.

Prerequisite, Sociology 1-2. Course 34 should be taken after Course 33, as the two courses make a year's continuity. M., W., F. at 2. 3 points. [5]

PROFESSOR ARENSBERG.

41. RECENT SOCIOLOGICAL THEORIES. A critical appraisal of the works of some American and European sociologists, particularly as they bear on the problems of social change and social movements.

Prerequisite, Sociology 1-2. Th., 1-3 and individual projects for third point. 2 or 3 points. [9]

42. SOCIAL PROBLEMS AND SOCIAL MOVEMENTS. The natural history of social problems. Some selected social problems will be traced from their emergence through policy determination and the various stages of social reform. The social and psychological aspects of social movements. Types of resistances to social reform. Technics of social reform. The course will draw upon historical material as well as the study of some contemporary reform movements.

Prerequisite, Sociology 1-2. Th., 1-3 and individual projects for third point. 2 or 3 points. [9]

PROFESSOR KOMAROVSKY.

97, 98. SOCIOLOGY SEMINAR.

Open only to seniors on written permission of the instructors. Hours and subjects to be arranged. 4 or 6 points. [0]

PROFESSORS ARENSBERG and KOMAROVSKY.

PSYCHOLOGY 37. SOCIAL PSYCHOLOGY. How the developing individual becomes socialized; effect of social factors upon habits, motives, attitudes and per-

sonality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology, and anthropology is surveyed and evaluated.

Credit in either sociology or psychology. Prerequisite, Psychology 1 or R1 or Sociology 1-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III. [10]

PROFESSORS SARGENT, ARENSBERG, KOMAROVSKY.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Political Science.

SPANISH

AMELIA A. DE DEL RÍO, A.M., Associate Professor of Spanish,
Executive officer

EUGENIO FLORIT, LL.D., Assistant Professor of Spanish

MARGARITA DACAL, A.M., Instructor in Spanish

MARGARITA B. HOGAN, A.M., Instructor in Spanish

LAURA R. DE GARCÍA-LORCA, Lecturer in Spanish

A major in Spanish. Students majoring in Spanish will be required to take: *Spanish. Courses 3, 4 or 5, 6; 13, 14, 15-16, 19, 22, and 23-24; and either 17-18, 25-26, 27-28 or a more advanced course to be chosen in consultation with the department.*

Other fields. Courses will vary with the special interest of the student and should be arranged in consultation with the department.

LANGUAGE COURSES

1-2. ELEMENTARY FULL-YEAR COURSE. Grammar, reading, conversation.

Cannot count toward a major in Spanish and may not be taken parallel to Italian 1-2 or Portuguese 1-2. M., Tu., W., Th. and F. at 9 (I), at 2 (II), at 3 (III). 8 points. [17]

MRS. DACAL, MRS. HOGAN and MRS. GARCÍA-LORCA.

3, 4. INTERMEDIATE COURSE. A rapid review of grammar and syntax, conversation, and reading and discussion of important works in Spanish and Spanish American literatures.

Sections II and III, only for students who have taken Spanish 1-2 at Barnard. Sections I and IV for freshmen and transfers. M., W. and F. at 9 (I), at 11 (II), at 1 (III) and at 2 (IV). 6 points. [17]

PROFESSOR DEL RÍO, DR. FLORIT, MRS. DACAL and MRS. HOGAN.

3a. INTERMEDIATE COURSE IN GRAMMAR AND COMPOSITION. The equivalent of *Course 4* given for students who have had three years of high school Spanish. Emphasis on oral self-expression and written translation.

M., W. and F. at 11. 3 points. [3]

MRS. DACAL AND MRS. HOGAN.

4a. ADVANCED COURSE IN GRAMMAR AND COMPOSITION. Emphasis on original composition and translation from Spanish into English.

Prerequisite, Course 3a or 4. M., W. and F. at 11. 3 points. [3]

MRS. DACAL.

5, 6. SPANISH COMPOSITION. Study of the style of modern authors, oral and written composition, and original writing of short stories, short plays and essays.

Prerequisite, Course 3, 4 or 4a. Tu. and Th. at 11. 4 points. [0]

DR. FLORIT.

5x, 6x. SPANISH COMPOSITION. Rapid review of grammar and intensive translation from Spanish into English; sight reading and prepared translation.

Prerequisite, Course 3, 4 or 4a. Tu. and Th. at 11. 4 points. [8]

MRS. DACAL AND MRS. HOGAN.

9-10. INTERMEDIATE SPANISH CONVERSATION. Full-year course.

Open only to students taking another Spanish course, either semester. Tu. at 2 (I), 3 (II), Th. at 1 (III), 2 (IV), 3 (V). 2 points. [0]

MRS. DACAL, MRS. HOGAN, MRS. ESCOBAL and MRS. GARCÍA-LORCA.

11-12. ADVANCED SPANISH CONVERSATION. Discussions and reports on Spanish subjects. Full-year course.

Prerequisite, Course 9-10. Open only to students taking another Spanish course, either semester. Th. at 1. 2 points. [0]

PROFESSOR DEL RÍO, DR. FLORIT and MRS. GARCÍA-LORCA.

LITERATURE COURSES¹

13, 14. THE CULTURE OF THE SPANISH COUNTRIES. *Winter session:* The history and culture of Spain. *Spring session:* The development of Spanish American culture.

Prerequisite, Course 3, 4 or 5, 6. Tu. and Th. at 10. 4 points. [7]

DR. FLORIT.

15-16. INTRODUCTION TO SPANISH LITERATURE. Lectures on the history of Spanish literature, reading, reports, and discussion of the outstanding works and authors up to the end of the nineteenth century. Full-year course.

Prerequisite, Courses 3, 4 or 3a, 4a or 5, 6. M., W. and F. at 10. 6 points. [2]

PROFESSOR DEL RÍO and MRS. HOGAN.

17-18. THE SPANISH DRAMA OF THE GOLDEN AGE. *Winter session:* Reading and discussion of the medieval antecedents and the sixteenth-century theatre, including Lope de Vega. *Spring session:* The theatre after Lope de Vega with emphasis on Calderón. Full-year course.

Prerequisite, Course 15-16. M., W. and F. at 1. 6 points. [4]

PROFESSOR DEL RÍO.

¹ All courses are conducted entirely in Spanish.

19. NINETEENTH CENTURY NOVEL.

Prerequisite, Course 13, 14 or 15-16. Tu. and Th. at 2. 3 points. [9]

MRS. DACAL.

22. CONTEMPORARY SPANISH LITERATURE. A study of outstanding authors from 1898 to the present day.

Prerequisite, Course 13, 14 or 15-16. Tu. and Th. at 2. 3 points. [9]

PROFESSOR DEL RÍO.

23-24. SPANISH AMERICAN LITERATURE. Lectures, reading and reports on the history of Spanish American literature up to the present time. Full-year course.

Prerequisite, Course 13, 14 or 15-16 except on written permission of the department. Tu. and Th. at 9. 4 points. [6]

DR. FLORIT.

[25-26. CERVANTES. Lectures, reading and discussion of Cervantes' novels and theatre. Full-year course.

Prerequisite, Course 15-16. 6 points. Not given in 1948-49.]

PROFESSOR DEL RÍO.

27-28. SPANISH POETRY. A study of the development of the poetry of Spain from its origin to the present time.

Prerequisite, Course 15-16. M., W. and F. at 10. 6 points. [2]

DR. FLORIT.

29, 30. SPECIAL READING. Discussion on assigned readings to coördinate and supplement the work done in other courses.

Open only to seniors. Hours to be arranged. 4 points.

PROFESSOR DEL RÍO, DR. FLORIT, MRS. DACAL, MRS. HOGAN and MRS. GARCÍA-LORCA.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Faculty of Philosophy.

All courses are conducted entirely in Spanish.

ZOOLOGY

¹LOUISE HOYT GREGORY, Ph.D., Professor of Zoölogy

FLORENCE DE LOISELLE LOWTHER, Ph.D., Professor of Zoölogy

JOHN A. MOORE, Ph.D., Associate Professor of Zoölogy

Executive officer

AUBREY GORBMAN, Ph.D., Assistant Professor of Zoölogy

INGRITH J. DEYRUP, Ph.D., Assistant Professor of Zoölogy

A major in zoölogy. Students majoring in zoölogy will be required to take: Zoölogy. Course 1-2 and other courses in combination or in sequence which

¹ Absent on leave, winter session, 1948-49.

will vary with the individual interest and purpose of the student and should be arranged in consultation with the department.

Other fields. The work will vary with the special interest of the student and should be arranged in consultation with the major department.

1-2. GENERAL ZOÖLOGY. An elementary course covering the general characteristics of living organisms, the major invertebrate phyla, the important parasites of man, the structure and development of the vertebrates, human physiology, heredity, and evolution. Full-year course.

Lectures: M., W. and F. at 9. Laboratory (4 hours): M., 1-5 (I), Tu., 2-6 (II), W., 1-5 (III), Th., 1-5 (IV). 10 points. [1]

PROFESSOR MOORE and ASSISTANTS.

1a-2a. GENERAL ZOÖLOGY. Lectures identical with those of 1-2. No laboratory work. Full-year course.

To follow or parallel a laboratory science. M., W. and F. at 9. 6 points. [1]

PROFESSOR MOORE.

6. EVOLUTION OF MAN. A course which includes the study of the history of evolutionary thought, the paleontological evidence of man's origin and his relationship to lower forms.

Prerequisite, Course 1-2. Tu. at 2 and Th., 2-4 at the Museum of Natural History. 3 points. [9]

PROFESSOR LOWTHER.

9-10. HUMAN BIOLOGY. An elementary course designed especially for students whose interests are not primarily zoölogical. Full-year course.

Open to students of all classes. Will not satisfy the requirement of a laboratory science. Lectures: Tu. and Th. at 10. Conferences and demonstrations: F., 2-4. Not open to students who have had or who may elect Zoölogy 1-2. 6 points. [7]

PROFESSOR LOWTHER.

13. HISTOLOGY AND HISTOLOGICAL METHODS. The microscopic anatomy of vertebrates studied in its descriptive, developmental, comparative and functional aspects. A portion of the laboratory work is devoted to preparation of tissues for microscopic study.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory and conferences (4 hours): W., 1-5, or Th., 1-5. 4 points. [8]

PROFESSOR GORBMAN.

14. EMBRYOLOGY. An introductory study of the development of the vertebrate animal, with a consideration of some of the factors which influence development.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory (4 hours): W., 1-5 or Th., 1-5. 4 points. [8]

PROFESSOR GORBMAN.

61, 62. PROBLEMS IN INVERTEBRATE AND VERTEBRATE MORPHOLOGY, PHYSIOLOGY, HISTOLOGY AND EMBRYOLOGY.

Work will be planned to suit the needs of students after consultation with the instructors. Hours and credit by arrangement. [0]

PROFESSORS LOWTHER, MOORE, GORBMAN and DEYRUP.

71, 72. SEMINAR AND PROBLEMS FOR SENIORS.

F., 1-3. 4 points. [0]

PROFESSORS LOWTHER, MOORE, GORBMAN and DEYRUP.

97. COMPARATIVE MORPHOLOGY OF VERTEBRATES.

Prerequisite, Course 1-2. (Courses 13, 14 are recommended.) Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5. 6 points. [2]

PROFESSOR LOWTHER.

98. GENERAL PHYSIOLOGY. The physical characteristics and chemical composition of protoplasm. Fundamental biological properties of protoplasm. The relationship between living organisms and their environments.

Prerequisite, Course 1-2 and Chemistry 1-2. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5. 6 points. [2]

PROFESSOR DEYRUP.

122. ANIMAL ECOLOGY. A study of the interrelation between the organism and its environment. The field work will consist of a study of the local marine, terrestrial, and fresh water habitats.

Prerequisite, Course 1-2; a course in advanced invertebrate zoölogy is recommended. Lectures: Tu. and Th. at 9. Laboratory or a field trip will be held on Saturdays. Written permission of the instructor required. 4 points. [6]

PROFESSOR MOORE.

129. ENDOCRINOLOGY. Lectures will deal with the morphological, physiological and biochemical phenomena associated with endocrine function. Laboratory will provide an introduction to some of the basic experimental procedures in endocrinology.

Prerequisite, Courses 1-2 and 13. Organic chemistry recommended. Written permission of instructor required. Lectures: Tu. and F. at 3. Laboratory (4 hours): M., 1-5. 4 points.

PROFESSOR GORBMAN.

151. PHYSIOLOGY. General principles of vertebrate physiology.

Prerequisite, Course 1-2 and organic chemistry. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 2-5. 6 points. [3]

PROFESSOR DEYRUP.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified students. A description of these courses will be found in the Announcement of the Faculty of Pure Science. The following are recommended:

*Zoölogy 101. General Zoölogy. PROFESSOR RYAN. 5 points.

*Zoölogy 105. Heredity. PROFESSOR DUNN. 3 points.

*Zoölogy 106. Evolution. PROFESSOR DOBZHANSKY. 3 points.

*G. S. Zoölogy 111. Evolution of Man. PROFESSOR MCGREGOR. 3 points.

EXAMINATION GROUPING OF BARNARD COLLEGE COURSES

1948-1949

Courses in Barnard College are arranged in examination groups in order to avoid conflicts on the examination schedule. These groups are indicated by Arabic boldface numerals in brackets immediately following the statement of points. *Group 0* includes courses which ordinarily do not have set examinations. No student may elect two courses in the same examination (except *Group 0*) *without making special arrangements through the Registrar's office for doing so.*

GROUP 1

M., W., and F. at 9
Botany 57 (M. and W. at 9)
Chemistry 41-42
Chemistry 41a
Chemistry 66
English 53, 54
French 17, 18
German 27 (M. and W. at 9)
German 36 (M. and W. at 9)
History 5, 6
History 41-42
Latin 3, 4
Latin 25, 26
Mathematics 45
Mathematics 54
Psychology 26 (M. and W. at 9)
Zoölogy 1-2
Zoölogy 1a-2a

GROUP 2

M., W., and F. at 10
Chemistry 63
Chemistry 105, 106
Economics 19, 20
English 59, 60
Fine Arts 41
Fine Arts 62
Fine Arts 68
French 21-22
French 23, 24
Geography 3
German 5, 6
Greek 11, 12
History 9, 10
History 25, 26
Mathematics 30
Mathematics 33
Mathematics 57
Philosophy 61-62
Psychology 27, 28
Spanish 15-16
Spanish 27-28
Zoölogy 97, 98

GROUP 3

M., W., and F. at 11
Botany 53-54
Chemistry 150
Economics 27, 28
English 41-42 (M. and F. at 11 and third hour)
English R73
Fine Arts 71
Fine Arts 92
French 11, 12
French 27, 28 (M. and F. at 11)

Geography 5
Geography 12
German 7, 8
German 45, 46 (W. and F. at 11)
Government 3, 4
Greek 21, 22 (W. and F. at 11)
Italian 15, 16
Mathematics R33
Mathematics 56
Mathematics 133
Philosophy 3
Philosophy 6
Philosophy 22
Physics 3-4
Physics 3a-4a
Psychology 9
Russian 8 (M. and W. at 11)
Sociology 1-2 (M. and W. at 11 and Third hour)
Spanish 3a, 4a
Zoölogy 151

GROUP 4

M., W., and F. at 1
Botany 68
Botany 151 (M. and W. at 1)
Chemistry 145, 146
Economics 123-124
English 61, 62
French R5
French R5x
French 35, 36
Geography 15, 16
Government 1, 2
History 27, 28
Italian 1-2
Latin 11, 12
Mathematics 24
Music 5, 6
Philosophy 43
Physics 31
Physics 33
Spanish 17-18

GROUP 5

M., W., and F. at 2
English 65, 66
Fine Arts 51, 52
French 13, 14
French 39-40 (M. and W. at 2)
Geology 19
Geology 28
Government 23, 24
Greek 1-2
History 3-4
History 29, 30
Italian 19, 20

Mathematics 33R
 Music 31-32 (M. and F. at 2 and W. 2-4)
 Physics 7
 Portuguese 3, 4
 Russian 1-2
 Sociology 33, 34

GROUP 6

Tu. and Th. at 9
 Anthropology 3, 4 (Tu., 9-11, Th. at 9)
 Botany 51-52 (Tu. and Th. at 9, Th. at 1)
 Botany 51a-52a (Tu. and Th. at 9, Th. at 1)
 Classical Civilization 66
 Chemistry 64
 Economics 15, 16 (Tu. and Th. at 9 and third hour)
 English 25-26 (Tu. and Th. at 9 and third hour)
 English 67, 68 (Tu. and Th. at 9 and third hour)
 Geography 1-2 (Tu. and Th. at 9 and Th. at 1)
 History 37, 38
 Mathematics 7-8
 Philosophy 41-42
 Religion 5, 6 (Tu. and Th. at 9 and third hour)
 Spanish 23-24
 Zoölogy 122

GROUP 7

Tu. and Th. at 10
 Chemistry 1-2 (Tu. and Th. at 10 and third hour)
 Chemistry 1a-2a (Tu. and Th. at 10 and F. at 1)
 Chemistry 5-6 (Tu., Th. and S. at 10)
 Classical Civilization 49, 50
 Economics 18 (Tu. and Th. at 10 and third hour)
 English 77, 78 (Tu. and Th. at 10 and third hour)
 Fine Arts 1-2
 French 9, 10
 Geology 15
 Government 11, 12 (Tu. and Th. at 10 and third hour)
 History 17, 18 (Tu. and Th. at 10 and Th. at 3)
 History 33-34
 Philosophy 70 (Tu. and Th. at 10 and third hour)
 Physics 6 (Th. at 10)
 Psychology 23
 Psychology 58 (Tu. and Th. at 10 and third hour)
 Religion 7, 8 (Tu. and Th. at 10 and third hour)
 Spanish 13, 14
 Zoölogy 9-10

GROUP 8

Tu. and Th. at 11
 Astronomy 1-2 (Tu. and Th. at 11 and third hour)
 Classical Civilization 77
 Economics 13, 14 (Tu. and Th. at 11 and third hour)
 Fine Arts 65, 66 (Tu. and Th. at 11 and third hour)
 French 34a
 Geology 1, 2 (Tu. and Th. at 11, Th. at 1)
 Geology 1a, 2a (Tu. and Th. at 11, Th. at 1)
 Geology 16 (Tu. and Th. at 11 and third hour)
 Music 1a
 Music 1-2 (Tu. and Th. at 11 and Th. at 1)
 Psychology 22 (Tu. and Th. at 11 and third hour)

Psychology 25
 Religion 1, 2 (Tu. and Th. at 11 and third hour)
 Spanish 5x, 6x
 Zoölogy 13, 14

GROUP 9

Tu. and Th. at 2
 American Studies 1-2 (Tu., 2-4)
 American Studies 16 (Th., 2-4)
 Anthropology 107, 108
 Economics 3
 English 71, 72 (Tu. at 2 and Th., 2-4)
 Fine Arts 75, 76 (Tu. and Th. at 2 and third hour)
 Geology 30 (Tu., 2-4 and a third hour)
 Government 25, 26 (Th., 1-3 and third hour)
 History 11, 12 (Tu. and Th. at 2 and third hour)
 History 39-40 (Tu. and Th. at 2 and third hour)
 Psychology 12 (Tu. at 2, Th., 2-5)
 Religion 9, 10 (Th., 1-3)
 Sociology 31, 32 (Tu., 2-4 and a third hour)
 Sociology 41, 42 (Th., 1-3)
 Spanish 19
 Spanish 22
 Zoölogy 6 (Tu. at 2, Th., 2-4)

GROUP 10

M., W., and F., at 3
 American Studies 15 (M. at 3 and Th., 2-4)
 Anthropology 5, 6 (W., 3-5)
 Botany 59 (M. and W. at 3)
 English 70 (M. at 3, Th. 2-4)
 English 79 (M. and W. at 3 and third hour)
 Government 49, 50
 Music 41-42 (M., 3-5)
 Physics 35, 36
 Portuguese 1-2
 Psychology 37
 Religion 3, 4 (M. and W. at 3 and third hour)
 Russian 3, 4

GROUP 11

Psychology 1 or R1 (Sections)
 Psychology 7-8 (Sections)
 Psychology 48 (Hours to be arranged)

GROUP 12

American Studies 3-4 (Tu., 4-6)
 Government 15 (Th., 3-5)
 Hygiene A (Sections)
 Sociology 21, 22 (Th., 3-5 and third hour)

GROUP 13

Economics 25, 26 (Tu., 3-5)
 Government 7 (Tu., 3-5)

GROUP 14

French 1-2 (Sections)
 French 3, 4 (Sections)
 French R4 (Sections)
 French 5, 6 (Sections)
 French 5x, 6x (Sections)
 French 7, 8 (Sections)

GROUP 15

German 1-2 (Sections)
 German 3, 4 (Sections)

GROUP 16

Philosophy 1 or R1 (Sections)

GROUP 17

Spanish 1-2 (Sections)
Spanish 3, 4 (Sections)

GROUP 18

Economics 1, 2 (Sections)

GROUP 0

There is no restriction on courses in this group. They may be taken together or with courses in other groups, provided there is no conflict in class hours. *Group 0* includes courses which ordinarily do not have set examinations.

Botany 161, 162
Economics 51, 52
English A
English 1, 2
English 5, 6
English 11, 12
English 14
English 15, 16
English 15a-16a
English 20
English 21-22
English 23-24
English 27, 28
English 29, 30
English 91, 92
Fine Arts 97-98
Foreign Area Studies 51-52
French 41-42
French 41a-42a
German 01-02
German 9, 10
Government 61, 62
Government 71, 72
Greek 19-20
Greek 29-30
History 45, 46
International Relations 81-82

Italian 3, 4
Italian 5, 6
Italian 21, 22
Latin 19-20
Latin 29-30
Music 79, 80
Music 83, 84
Music 91, 92
Music 93, 94
Philosophy 53, 54
Philosophy 63, 64
Philosophy 65-66
Philosophy 91, 92
Physics 37, 38
Sociology 97, 98
Spanish 5, 6
Spanish 9-10
Spanish 11-12
Zoölogy 61, 62
Zoölogy 71, 72

Courses for which examinations will be arranged later.

Anthropology 51, 52
Anthropology 53, 54
Botany 60
Chemistry 67, 68
Chemistry 157, 158
Economics 17
Economics 61, 62
French 19-20
History 1-2
Mathematics 1 (or R1)
Mathematics 22 (or R22)
Mathematics 31-32
Mathematics R31-R32
Mathematics 31
Physics 40
Recreational Leadership R1
Religion 11, 12
Spanish 29, 30
Zoölogy 129

Hours	MONDAY	TUESDAY	WEDNESDAY
A.M.	Botany 57 Chemistry 41-42; 41a Chemistry 66 Economics 1, 2 (V) English A (Ia) English 53, 54 French 1-2 (I) French 5, 6 (I); 5x, 6x (I) French 7, 8 (II) French 17, 18 Geology 19 German 1-2 (I) German 3, 4 (I) German 27; 36 History 1-2 (I, III, IV) History 5, 6 History 41, 42 Italian 3, 4 Latin 3, 4 Latin 25, 26 Mathematics 1 (I); R31 (I) Mathematics R22 (I), 22 (I) Mathematics 45; 54 *Music 25 Philosophy 1 (I); R1 (I) Psychology 1 (I); R1 (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I) Zoology 1-2; 1a-2a	Anthropology 3, 4 Botany 51-52 Botany 51a-52a Chemistry 64 Classical Civilization 66 Economics 15, 16 English 20 (II) English 25-26 English 67, 68 French 1-2 (I) French 3, 4 (III, IV) Geography 1-2 German 01-02 (I) German 1-2 (III, IV) Government 14 History 37, 38 Mathematics 1 (II); 22 (II) Mathematics 7-8 Philosophy 41-42 Psychology 1 (III); R1 (III) Religion 5, 6 Spanish 1-2 (I) Spanish 23-24 Zoology 122	Botany 57 Chemistry 41-42; 41a Chemistry 66 Economics 1, 2 (V) English A (Ia) English 53, 54 French 1-2 (I) French 5, 6 (I); 5x, 6x (I) French 7, 8 (II) French 17, 18 Geology 19 German 1-2 (I) German 3, 4 (I) German 27; 36 History 1-2 (I, III, IV) History 5, 6 History 41, 42 Italian 3, 4 Latin 3, 4 Latin 25, 26 Mathematics 1 (I); R31 (I) Mathematics R22 (I); 22 (I) Mathematics 45; 54 *Music 25 Philosophy 1 (I); R1 (I) Psychology 1 (I); R1 (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I) Zoology 1-2; 1a-2a
9	Chemistry 63 Chemistry 105, 106 Economics 1, 2 (I) Economics 19, 20 English A (IIa, b, c) English 59, 60 Fine Arts 41; 62 French 5x, 6x (II) French 7, 8 (I, III) French 21-22 French 23, 24 Geography 3 German 5, 6 Greek 11, 12 History 1-2 (V) History 9, 10 (I, II) History 25, 26 Mathematics R1, 57 Mathematics 30; 33 *Music 35-36 Philosophy 1 (II); R1 (II) Philosophy 61-62 Psychology 1 (II); R1 (II) Psychology 27, 28 Spanish 15-16 Spanish 27-28 Zoology 97, 98	Anthropology 3, 4 Chemistry 1-2 Chemistry 1a-2a Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (VIa, b) English 1, 2 English 77, 78 Fine Arts 1-2 Fine Arts 72 French 9, 10 German 9, 10 Government 11, 12 History 1-2 (VII) History 17, 18 History 33-34 Philosophy 70 Psychology 1 (IV); R1 (IV) Psychology 23; 58 Religion 7, 8 Spanish 13, 14 Zoology 9-10	Chemistry 63 Chemistry 105, 106 Economics 1, 2 (I) Economics 19, 20 English A (IIa, b, c) English 59, 60 Fine Arts 41; 62 French 5x, 6x (II) French 7, 8 (I, III) French 21-22 French 23, 24 Geography 3 German 5, 6 Greek 11, 12 History 1-2 (V) History 9, 10 (I, II) History 25, 26 Mathematics R1; 57 Mathematics 30; 33 *Music 35-36 Philosophy 1 (II); R1 (II) Philosophy 61-62 Psychology 1 (II); R1 (II) Psychology 27, 28 Spanish 15-16 Spanish 27-28 Zoology 97, 98
10	Botany 53-54 Chemistry 150 Economics 27, 28 English A (IIIa, b) English 21-22 (Ia, b) English 41-42 English R73 Fine Arts 67; 92 French 1-2 (II) French 5, 6 (II); 5x, 6x (III) French 11, 12 French 27, 28 Geography 5; 12 German 1-2 (II) German 7, 8 Government 3, 4 History 1-2 (II, VI) Italian 15, 16 Mathematics R33 Mathematics 56; 133 *Music 37-38 Philosophy 6 Philosophy 3; 22 Physics 3-4; 3a-4a Psychology 9 Russian 8 Sociology 1-2 Spanish 3, 4 (II); 3a, 4a Zoology 151	Astronomy 1-2 Classical Civilization 77 Economics 1, 2 (IV) Economics 13, 14 English A (VIIa, b) Fine Arts 65, 66 French 1-2 (II) French 5, 6 (III) French 34a Geology 1, 2; 1a, 2a Geology 7 Geology 15, 16 German 01-02 (II, III) History 1-2 (VIII) Hygiene A1-A2 (I) Music 1-2 Music 1a *Music 19, 20 *Music 23-24 *Music 39-40 Psychology 22; 25 Religion 1, 2 Spanish 5, 6 Spanish 5x, 6x Zoology 13, 14	Botany 53-54 Chemistry 150 Economics 27, 28 English A (IIIa, b) English 21-22 (Ia, b) English R73 Fine Arts 67; 92 French 1-2 (II) French 5, 6 (II); 5x, 6x (III) French 11, 12 Geography 5; 12 German 1, 2 (II) German 7, 8 German 45, 46 Government 3, 4 Greek 21, 22 History 1-2 (II, VI) Italian 15, 16 Mathematics R33 Mathematics 56; 133 *Music 37-38 Philosophy 3; 22 Philosophy 6 Physics 3-4; 3a-4a Psychology 9 Russian 8 Sociology 1-2 Spanish 3, 4 (II); 3a, 4a Zoology 151
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Courses marked with an asterisk (*) are Columbia courses open to Barnard students.

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
A.M.	Anthropology 3, 4 Botany 51-52 Botany 51a-52a Chemistry 64 Classical Civilization 66 Economics 15, 16 Economics 25-26 English 67, 68 French 1-2 (I) French 3, 4 (III, IV) Geography 1-2 German 01-02 (I) German 1-2 (III, IV) Government 14 History 37, 38 Mathematics 1 (II) ; 22 (II) Mathematics 7-8 Philosophy 41-42 Psychology 1 (III) ; R1 (III) Religion 5, 6 Spanish 1-2 (I) Spanish 23-24 Zoölogy 122	Chemistry 41-42 ; 41a Chemistry 66 Economics 1, 2 (V) English A (Ia) English 53, 54 French 1-2 (I) French 5, 6 (I) ; 5x, 6x (I) French 7, 8 (II) French 17, 18 Geology 19 German 1-2 (I) German 3, 4 (I) History 1-2 (I, III, IV) History 5, 6 History 41, 42 Italian 3, 4 Latin 3, 4 Latin 25, 26 Mathematics 1 (I) ; R31 (I) Mathematics 22 (I) ; R22 (I) Mathematics 45 ; 54 *Music 25 Philosophy 1 (I) ; R1 (I) Psychology 1 (I) ; R1 (I) Spanish 1-2 (I) Spanish 3, 4 (I) Zoölogy 1-2 ; 1a-2a	French 3, 4 (III, IV) Mathematics 1 (II) ; 22 (II) Mathematics 7-8 Psychology 1 (III) ; R1 (III)
9			
10	Chemistry 1-2 Chemistry 1a-2a Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (VIa, b) English 1, 2 English 77, 78 Fine Arts 1-2 Fine Arts 72 French 9, 10 German 9, 10 Government 11, 12 History 1-2 (VII) History 17, 18 History 33-34 Philosophy 70 Physics 6 Psychology 1 (IV) ; R1 (IV) Psychology 23 ; 58 Religion 7, 8 Spanish 13, 14 Zoölogy 9-10	Chemistry 63 Chemistry 105, 106 Economics 1, 2 (I) Economics 19, 20 English A (IIa, b, c) English 59, 60 Fine Arts 41 ; 62 French 5x, 6x (II) French 7, 8 (I, III) French 21-22 French 23, 24 Geography 3 German 5, 6 Greek 11, 12 History 1-2 (V) History 9, 10 (I, II) History 25, 26 Mathematics R1 ; 57 Mathematics 30 ; 33 *Music 35-36 Philosophy 1 (II) ; R1 (II) Philosophy 61-62 Psychology 1 (II) ; R1 (II) Psychology 27, 28 Sociology 1-2 Spanish 27-28 Zoölogy 97, 98	Chemistry 1-2 Chemistry 1a-2a Chemistry 5-6 English A (VIa, b) History 1-2 (VII) Psychology 1 (IV) ; R1 (IV)
11	Astronomy 1-2 Classical Civilization 77 Economics 1, 2 (IV) Economics 13, 14 English A (VIIa, b) Fine Arts 65, 66 French 1-2 (II) French 5, 6 (III) French 34a Geology 1, 2 ; 1a, 2a Geology 7 Geology 15, 16 German 01-02 (II, III) History 1-2 (VIII) Music 1-2 Music 1a *Music 19, 20 *Music 23-24 *Music 39-40 Psychology 22 ; 25 Religion 1, 2 Sociology 1-2 Spanish 5, 6 Spanish 5x, 6x Zoölogy 13, 14	Chemistry 150 Economics 27, 28 English A (IIIa, b) English 21-22 (Ia, b) English 41-42 English R73 Fine Arts 67, 92 French 1-2 (II) French 5, 6 (II) ; 5x, 6x (III) French 11, 12 French 27, 28 Geography 5 ; 12 German 1, 2 (II) German 7, 8 German 45, 46 Government 3, 4 Greek 21, 22 History 1-2 (II, VI) Hygiene A (IV) Italian 15, 16 Mathematics R33 Mathematics 56 ; 133 *Music 37, 38 Philosophy 3 ; 22 Philosophy 6 Physics 3-4 ; 3a-4a Psychology 9 Sociology 1-2 Spanish 3, 4 (II) ; 3a, 4a Zoölogy 151	English A (VIIa, b) French 5, 6 (III) History 1-2 (VIII)

Courses marked with an asterisk (*) are Columbia courses open to Barnard students.

Hours	MONDAY	TUESDAY	WEDNESDAY
P.M.	Botany 68; 151 Chemistry 145, 146 *G.S. Drawing 1-2 (I) Economics 123-124 English A (IVa, b) English 21-22 (IIa, b) English 61, 62 French R5 French 5x, 6x (IV) French R5x French 19-20 (I) French 35, 36 Geography 15, 16 German 3, 4 (II) Government 1, 2 History 27, 28 Italian 1-2 Latin 11, 12 Mathematics 24 Mathematics 31-32 Music 5, 6 Philosophy 1 (III) ; R1 (III) Philosophy 43 Physics 31; 33 Psychology 7-8 (II, V) Spanish 3, 4 (III) Spanish 17-18		Botany 68; 151 Chemistry 145, 146 Economics 123-124 English A (IVa, b) English 21-22 (IIa, b) English 61, 62 French R5 French 5x, 6x (IV) French R5x French 19-20 (I) French 35, 36 Geography 15, 16 German 3, 4 (II) Government 1, 2 History 27, 28 Italian 1-2 Latin 11, 12 Mathematics 24 Mathematics 31-32 Music 5, 6 Philosophy 1 (III) ; R1 (III) Philosophy 43 Physics 31; 33 Psychology 7-8 (I, II) Spanish 3, 4 (III) Spanish 17-18
1:10			
2:10	*G.S. Drawing 1-2 (II) Economics 1, 2 (II) English A (Va, b) English 5, 6 English 65, 66 English 91, 92 (II) Fine Arts 51; 52 French 3, 4 (I, II) French R4 French 13, 14 French 19-20 (II) French 39-40 Geology 27, 28 Government 23, 24 Government 71, 72 Greek 1-2 History 3-4 History 29, 30 Italian 19, 20 *Music 27, 28 Music 31-32 Philosophy 1 (IV) ; R1 (IV) Physics 7 Portuguese 3, 4 Psychology 7-8 (II, V) Russian 1-2 Sociology 33, 34 Spanish 1-2 (II) Spanish 3, 4 (IV)	American Studies 1-2 Anthropology 107, 108 Economics 3; R17 English 7, 8 English 11, 12 English 23-24 English 71, 72 Fine Arts 75; 76 Geology 30 German 01-02 (IV, V) Government 11, 12 History 11, 12 History 39-40 Hygiene A1-A2 (II) *Music 57 *Music 73-74 Psychology 7-8 (III, IV) Psychology 12 Russian 1-2 Sociology 31, 32 Spanish 1-2 (II) Spanish 9-10 (I) Spanish 19; 22 Zoölogy 6	Economics 1, 2 (II) English A (Va, b) English 5, 6 English 65, 66 Fine Arts 51; 52 French 3, 4 (I, II) French R4 French 13, 14 French 19-20 (II) French 39-40 French 41-42 Geology 27, 28 Government 23, 24 Greek 1-2 History 3-4 History 29, 30 Italian 19, 20 Music 27, 28 Music 31-32 Philosophy 1 (IV) ; R1 (IV) Physics 7 Portuguese 3, 4 Psychology 7-8 (I, II) Russian 1-2 Sociology 33, 34 Spanish 1-2 (II) Spanish 3, 4 (IV)
3:10	American Studies 15 Botany 59 *Drawing 1-2 (II) Economics 1, 2 (III) English 15, 16 English 20 (I) English 70; 79 English 91, 92 (II) Government 49, 50 Italian 1-2 Mathematics R22 (II) Mathematics R31 (II) ; R32 Music 41-42 Physics 35, 36 Portuguese 1-2 Psychology 7-8 (II, V) Psychology 37 Religion 3, 4 Russian 3, 4 Spanish 1-2 (III)	American Studies 1-2 *G.S. Drawing 1-2 (III) Economics 23, 24 English 29, 30 English 91, 92 (III) Fine Arts 97-98 Geology 30 German 01-02 (VI) Government 7 Latin 19-20 *Music 13-14 *Music 131-132 Psychology 7-8 (III, IV) Russian 3, 4 Sociology 31, 32 Spanish 1-2 (III) Spanish 9-10 (II) Zoölogy 129	Anthropology 5, 6 Botany 59 Economics 1, 2 (III) Economics 51, 52 English 15, 16 English 27, 28 English 79 English 91, 92 (I) Foreign Area Studies 51-52 Government 49, 50 Italian 1-2 Mathematics R22 (II) Mathematics R31 (II) ; R32 Music 31-32 Philosophy 91, 92; 136 Physics 35, 36 Portuguese 1-2 Psychology 7-8 (I, II) Psychology 37 Religion 3, 4 Russian 3, 4 Spanish 1-2 (III)
4:10	Botany 60 *G.S. Drawing 1-2 (II) Economics 13, 14 English 14 French 41a-42a Italian 1-2 Music 41-42 Recreational Leadership 1; R1	American Studies 3-4 Economics 23, 24 English 91, 92 (III) Fine Arts 97; 98 Government 7 Government 61, 62 International Relations 81-82 *Music 13-14 *Music 131-132 Psychology 7-8 (III, IV)	Anthropology 5, 6 Economics 51, 52 English 15, 16 English 15a, 16a English 27, 28 English 91, 92 (I) French 41a-42a Foreign Area Studies 51-52 *Government 171, 172 Italian 1-2 Philosophy 91, 92 Recreational Leadership 1; R1
5:10	English 14	American Studies 3-4 Government 61, 62 International Relations 81-82	*Government 171, 172

Courses marked with an asterisk (*) are Columbia courses open to Barnard students.

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
P.M.	Anthropology 107, 108 Botany 51-52 Botany 51a-52a *G.S. Drawing 1-2 (I) Economics 1, 2 (IV) Economics 15, 16 English 20 (III) English 67, 68 Fine Arts 72 Geology 1, 2; 1a, 2a Geography 1-2 Government 25, 26 Hygiene A1-A2 (III) Latin 29-30 Music 1-2 *Music 23-24 Religion 9, 10 Sociology 41, 42 Spanish 9-10 (III) Spanish 11-12	Chemistry 1-2 Chemistry 1a-2a Chemistry 145, 146 English A (IVa, b) English 21-22 (IIa, b) English 61, 62 French R5 French 5x, 6x (IV) French R5x French 35, 36 Geography 15, 16 German 3, 4 (II) Government 1, 2 History 27, 28 Italian 1-2 Latin 11, 12 Mathematics 24 Mathematics 31-32 Music 5, 6 Philosophy R1 (III) ; 1 (III) Philosophy 43 Physics 31 ; 33 Psychology 7-8 (I, V) Spanish 3, 4 (III) Spanish 17-18 Zoölogy 71, 72	
1:10			
2:10	American Studies 15, 16 Anthropology 107, 108 *G.S. Drawing 1-2 (I) Economics 3 ; R17 English 1, 2 English 7, 8 English 11, 12 English 23-24 English 70 English 71, 72 Fine Arts 75, 76 German 01-02 (IV, V) Government 25, 26 History 11, 12 History 39-40 *Music 57 *Music 73-74 Psychology 7-8 (III, IV) Psychology 12 Religion 9, 10 Russian 1-2 Sociology 41-42 Spanish 1-2 (II) Spanish 9-10 (IV) Spanish 19 ; 22 Zoölogy 6	Economics 1, 2 (II) English A (Va, b) English 65, 66 Fine Arts 51 ; 52 French 3, 4 (I, II) French R4 French 13, 14 French 41-42 Geology 27, 28 Government 23, 24 Greek 1-2 History 3-4 History 29, 30 Italian 19, 20 Music 27, 28 *Music 109, 110 Music 31-32 *Music 133-134 Philosophy 1 (IV) ; R1 (IV) Physics 7 Portuguese 3, 4 Psychology 7-8 (I, V) Russian 1-2 Sociology 33, 34 Spanish 1-2 (II) Spanish 3, 4 (IV) Zoölogy 71, 72	
3:10	American Studies 15, 16 *G.S. Drawing 1-2 (II, III) English 11, 12 English 23-24 English 29, 30 English 70 English 71, 72 English 91, 92 (IV) German 01-02 (VI) Government 15, 16 History 17, 18 *Music 73-74 Psychology 7-8 (III, IV) Psychology 12 Russian 3, 4 Sociology 21, 22 Spanish 1-2 (III) Spanish 9-10 (V) Zoölogy 6	Economics 1, 2 (III) German 1-2 (III, IV) Government 49, 50 History 41, 42 Mathematics R22 (II) Mathematics R31 (II) ; R32 *Music 109, 110 *Music 133-134 Physics 35, 36 Portuguese 1-2 Psychology 7-8 (I, V) Psychology 37 Russian 3, 4 Spanish 1-2 (III) Zoölogy 129	
4:10	*G.S. Drawing 1-2 (II, III) English 29, 30 English 91, 92 (IV) Government 15, 16 *Government 143, 144 History 45, 46 Psychology 7-8 (III, IV) Psychology 12 Sociology 21, 22	*Music 109, 110	
5:10	*Government 143, 144		

Courses marked with an asterisk (*) are Columbia courses open to Barnard students.

STUDENTS' LOAN FUND

A Students' Loan Fund is maintained by the Associate Alumnae. From this fund loans are made at a low rate of interest to upper classmen in need of financial assistance for college tuition and residence fees. The maximum amount loaned to any one student is definitely limited. Loans are made on a single semester's basis, and applications must be presented for each semester. The principal and interest are to be paid on a quarterly basis within three years after graduation in the case of loans of \$200 or less and within five years in the case of all larger loans. No interest, however, is charged upon any principal repaid within six months after graduation. Inquiries may be made of the Alumnae Secretary in the Associate Alumnae Office, Riverside Building, or addressed to Mrs. David S. Muzzey, 492 Van Cortlandt Park Avenue, Yonkers 5, N. Y.

The operation of this fund as a revolving loan fund, as distinct from the special scholarship funds mentioned below, makes it possible to keep the capital in continuous use by successive generations of students. The committee does not deem it advisable to lend a very large amount to any one student, as it has found in its experience over the last few years that repayments proved a burden on the borrowers, particularly if the time schedule of repayment cannot be maintained and interest accumulates. However, the committee desires to make the fund as helpful as possible and wishes to have students in need of assistance apply to it freely and consult with the committee as to possible methods of meeting their financial difficulties.

SCHOLARSHIPS, GRANTS-IN-AID, LOANS

PURPOSE. The College desires that no student of exceptional ability shall be kept away from Barnard because her family has only moderate means. To aid students financially, there are Scholarships, Grants-in-aid, a Loan Fund (see above) and provisions in the Occupation Bureau (see page 151) for enabling girls to earn a little money toward their personal expenses.

SCHOLARSHIPS. Scholarships are awarded annually on a competitive basis by the Faculty Committee on Scholarships to full-time students of high scholarly ability, excellent character, and promise of future usefulness, who are in need of aid.

For resident students—that is, those who live in Brooks or Hewitt Halls—they range in value from \$150 to \$900 a year.

For students who do not live at the College, they range in value from \$50 to \$400.

If a student fails to maintain a satisfactory average in her work, or if for any other reason she comes under college censure, she may forfeit her scholarship and be ineligible for reelection the following term.

GRANTS-IN-AID. Grants-in-aid are awarded by the Faculty Committee on Scholarships to deserving and needy students to help them to enter or to remain in college. No student whose record falls below an average of C will ordinarily be considered eligible for such a grant.

RESIDENCE GRANTS. Residence grants are awarded by the Faculty Committee on Scholarships to enable students to live in the residence halls. They range in value from \$25 to \$400.

APPLICATIONS FROM STUDENTS IN COLLEGE. On or before the first of March of each year all applications for scholarships, grants-in-aid, and residence grants must be filed at the Dean's office upon special blanks to be obtained there.

APPLICATIONS FROM ENTERING STUDENTS. On or before the first of March applications for scholarships should be in the hands of the Committee on Admissions. Blanks for this purpose may be obtained from the Office of Admissions.

Applicants are required to take the Scholastic Aptitude Program I and Achievement Tests of the College Entrance Examination Board in April, unless they are applying for admission with advanced standing from another institution.

Except for a very few special scholarships, students should not apply for scholarships by name, but should merely indicate the minimum sum needed.

SCHOLARSHIP AWARDS. Applicants will be informed by the Chairman of the Committee on Scholarships as soon as awards have been made. Applicants receiving awards are requested to inform the Dean's office *immediately*, in writing, if they do not intend to use the funds awarded.

Holders of scholarships, grants-in-aid, and residence grants are requested to file with the Bursar *at the time of registration* a scholarship certificate to be obtained from the Secretary to the Dean.

COMPETITIVE ENTRANCE SCHOLARSHIPS

BROOKLYN SCHOLARSHIPS (\$150 EACH). Founded in 1895 by the Trustees of Columbia University in recognition of the gift to Columbia University by President Seth Low of a memorial building for the University Library. Open to students resident in Brooklyn and prepared in a Brooklyn school.

LUCILLE PULITZER SCHOLARSHIPS (\$300 TO \$900 EACH). Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer.

Three are restricted to students from the City of New York; eight are for resident students.

JESSIE KAUFMANN SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1902 by Mr. Julius Kaufmann in memory of his daughter, Jessie Kaufmann. Awarded on the merits of the entrance examinations to a student who, after careful investigation, is found to have no relative able to assist her financially. It may be held for the entire college course.

MARTHA T. FISKE SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1911 by Miss Anna E. Smith, in memory of her sister, Mrs. Martha T. Fiske-Collord. It is awarded, on the basis of scholarly ability and general character, to some deserving candidate not a resident of New York City or its suburbs.

CARPENTIER RESIDENCE SCHOLARSHIPS (\$400 TO \$900 EACH). Founded in 1919

with a bequest from the late Horace W. Carpentier. Awarded annually to students who are not residents of New York City or its vicinity.

GENERAL SCHOLARSHIPS

ELLA WEED SCHOLARSHIP. The income of a fund of approximately \$3,600. Originally established in 1895 by the pupils and alumnae of Miss Anne Brown's School in memory of Miss Ella Weed, who was chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of its existence.

JENNIE B. CLARKSON SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1898 by the late Mrs. W. R. Clarkson.

EMILY JAMES SMITH SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Miss Smith, then Dean of Barnard College.

ANNA E. BARNARD SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Mrs. John G. Barnard.

BREARLEY SCHOOL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1899 by pupils and former pupils of the Brearley School.

ELIZA TAYLOR CHISHOLM MEMORIAL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1901 by the Alumnae Association of Miss Chisholm's School, which Association reserves the privilege of precedence for such candidates as it may recommend.

EMMA HERTZOG SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1904 by gifts from residents of Yonkers, N. Y. It is awarded, in conference with the faculty of the Yonkers High School, to a graduate of that school who is entering Barnard College.

VELTIN SCHOOL SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1905 by the alumnae of Mlle. Veltin's School.

MRS. DONALD McLEAN SCHOLARSHIP. The income of a fund of \$3,000. Founded in 1906 by the New York City Chapter of the Daughters of the American Revolution. It is awarded, in conference with a representative of the Chapter, to a deserving student who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her college course.

GRAHAM SCHOOL SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1907 by the Graham Alumnae Association.

MRS. HENRY CLARKE COE SCHOLARSHIP. The income of a fund of \$3,600. Founded in 1910 by the National Society of New England Women, now the New York City Colony of the National Society. It is awarded, on the nomination of the chairman of the Scholarship Committee of the New York City Colony, to a student from New England or of New England parentage, and

after the award is once made the Society requires from the beneficiary full obedience to discipline and the highest ideals of scholarship. This may be awarded to an entering freshman.

EMMA A. TILLOTSON SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1910 by the late Mrs. Luther G. Tillotson. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1948 and 1951.

ELEANORA KINNICUTT SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1911 in memory of Mrs. Francis P. Kinnicutt, who was a Trustee of Barnard College. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1948 and 1951.

WILLIAM MOIR SCHOLARSHIPS. The income of a fund of \$10,000. Founded in 1912 by the late Mrs. William Moir, in memory of her husband.

MARY BARSTOW POPE SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1913 in memory of Mary Barstow Pope, sometime teacher in Miss Chapin's School, by her friends, her fellow-teachers, and her pupils. It is open to any undergraduate of Barnard College for the whole or any part of her course, and is awarded on the nomination of a self-perpetuating committee representing the founders.

CHARLES E. BOGERT MEMORIAL SCHOLARSHIP, AND ANNA SHIPPEN YOUNG BOGERT MEMORIAL SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1913 with a bequest from the late Annie P. Burgess. They are awarded to worthy and deserving students of good Christian character who are unable to pay their own expenses.

MARTHA ORNSTEIN BRENNER SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1915 by her friends in memory of Martha Ornstein Brenner, 1899.

BARNARD SCHOOL ALUMNAE SCHOLARSHIP. The income of a fund of \$4,000. Founded in 1916 by the alumnae of the Barnard School for Girls. It may be awarded to a student in any class, preference being given to nominees of the school.

SCHOLARSHIP IN ENGLISH. The income of a fund of \$5,000. Founded in 1920 by an anonymous donor. It is awarded to a student of good standing who is specializing in English and is in need of help; with the proviso that, if in any year there is no student specializing in English who stands out as particularly deserving of aid, the scholarship may be used, at the discretion of the Faculty Committee on Scholarships, to assist a student majoring in some other subject.

ANNA M. SANDHAM SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Anna M. Sandham.

ELEANOR BUTLER SANDERS SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Henry M. Sanders.

LUCILLE PULITZER SUPPLEMENTARY SCHOLARSHIP (\$50 EACH). Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer. They are awarded to worthy and needy students, and may be used to supplement larger scholarships or themselves combined into scholarships of \$100 or more. The money is applicable to tuition fees, residence fees, or, in special cases, general outside expenses.

AUGUSTA LARNED SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1924 with a bequest from the late Augusta Larned.

MARY E. LARKIN JOLINE SCHOLARSHIP. With an annual value of \$300. Founded in 1927 with a bequest from the late Mary E. Larkin Joline. It is awarded to a student who is specializing in music.

CHARLOTTE LOUISE JACKSON SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1928 with a bequest from the late Fannie A. Jackson. It is awarded to a graduate of a Yonkers high school selected by or under the direction of the Board of Education of Yonkers.

ALICE MARIE-LOUISE BRETT SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1930 with a bequest from the late Philip E. Brett in memory of his daughter, Alice Marie-Louise Brett, of the Class of 1915. It is awarded during her senior year to an able and deserving student specializing in French.

SCHMITT-KANEFENT SCHOLARSHIP. The income of a fund of \$7,000. Founded in 1931 with a bequest from the late Catherine Schmitt.

HELEN ELIZABETH VOSBURGH SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1934 with a bequest from the late Katherine G. Lippke in memory of Helen Elizabeth Vosburgh of the Class of 1925. In awarding this scholarship, preference is given to a self-supporting student.

WILLINA BARRICK MEMORIAL SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1936 by the College Club of Jersey City as a memorial to Willina Barrick, 1900. It is awarded on the nomination of the Club to a graduate of a Jersey City secondary school entering Barnard College.

VIRGINIA GILDERSLEEVE INTERNATIONAL SCHOLARSHIP. The income of a fund of \$15,100. Founded in 1937 by Mr. Charles R. Crane. It is awarded annually to a foreign student coming to Barnard to study.

PETER C. RITCHIE, JR., SCHOLARSHIP. The income of a fund of \$4,400. Founded in 1937 with a bequest from the late Virginia J. Ritchie. It is awarded to a needy student.

HARKNESS SCHOLARSHIPS. Established in 1939 by a gift of \$100,000 from the late Edward S. Harkness. Awarded to able and needy students.

ALMA GLUCK ZIMBALIST SCHOLARSHIP. The income of a fund of \$10,000. Founded in 1940 with a bequest from the late Alma Gluck Zimbalist. It is awarded annually to a student who wishes to major in Political Economics.

HELEN JENKINS GEER SCHOLARSHIP. The income of a fund of \$5,000. Founded in 1940 by Helen Hartley Geer, Class of 1940, in memory of her mother, Helen Jenkins Geer, Class of 1915. It is awarded annually, after conference with the donor.

SCHOLARSHIPS ESTABLISHED ON A TEMPORARY BASIS

HOLLAND DAMES SCHOLARSHIP. Established by the Daughters of Holland Dames in honor of Fanny I. Helmuth. It is awarded in conference with a representative of the society to a student of Dutch descent who is in need of aid.

BARNARD COLLEGE CLUB SCHOLARSHIP. A residence scholarship, with stipend varying, established in 1936 by the Barnard College Club of New York.

WESTCHESTER SCHOLARSHIP. Established by the Barnard College Club of Westchester in 1937, in memory of Edna Chapin Close of the Class of 1902. Value \$400. Awarded to an entering freshman from Westchester County, for one year only.

BARNARD-IN-BERGEN CLUB SCHOLARSHIP. A day scholarship, with stipend varying.

NATIONAL SCHOLARSHIPS

The Seven College Conference, made up of Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar and Wellesley, offers annually 21 National Scholarships for incoming freshmen. Each college offers a scholarship in each of the three following districts: *Middle West*, Kansas, Missouri, Nebraska; *South*, Louisiana, New Mexico, Oklahoma, Texas; and *West*, California, Oregon, Washington.

A minimum award of \$100 will be given each successful candidate, regardless of need, with a maximum award on the basis of need to cover room, board and tuition.

Information and application blanks may be obtained from Mrs. F. Murray Forbes, Jr., Executive Secretary, Committee on National Scholarships for Women, 21 Beaver Place, Boston 8, Massachusetts.

SPECIAL FUNDS FOR THE AID OF NEEDY AND DESERVING STUDENTS

ARTHUR BROOKS FUND. A fund of \$5,000, given in 1897 by Miss Olivia E. Phelps Stokes as a memorial to the Reverend Arthur Brooks, D.D., Rector of the Church of the Incarnation and Chairman of the Board of Trustees of Barnard College during the first six years of its existence.

FISKE SCHOLARSHIP FUND. A fund of \$5,000, given by the late Mrs. Martha T. Fiske-Collord, the income of which is placed at the disposal of the Dean of Barnard College.

GEORGE W. SMITH SCHOLARSHIP FUND. A fund of \$5,000, given in 1906 by the late Mrs. Martha T. Fiske-Collord as a memorial to Mr. George W. Smith, who was a Trustee of Barnard College. The income of the fund is placed at the disposal of the Dean of the College.

MARY GERTRUDE EDSON ALDRICH SCHOLARSHIP FUND. A fund of \$1,000, given by Mrs. James Herman Aldrich. The income is used to assist in her senior year a student who has shown in her college life the moral qualities which go to the making of fine womanhood.

ALUMNAE SCHOLARSHIP FUND. A fund of approximately \$8,700. Established by the Class of 1912 at its tenth reunion, it was subsequently increased by a legacy from the estate of Julia Ludlow Young and by gifts of other alumnae. The income is to be used to help needy and deserving students.

CAROLINE CHURCH MURRAY FUND. A fund of \$5,000, established in 1918 by Mr. George Welwood Murray in memory of Caroline Church Murray. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

IRMA ALEXANDER GOLDFRANK FUND. A fund of \$2,105, established in 1919 by the friends of the late Irma Alexander Goldfrank, 1908. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

CARPENTIER SCHOLARSHIP FUND. A fund of \$200,000, the bequest of the late Horace W. Carpentier. The income remaining after the payment of the Carpentier Residence Scholarships described on page 139 is placed at the disposal of the Dean for distribution in scholarships of varying amounts, according to the needs of deserving students.

SCHOLARSHIP FUND. A fund of approximately \$12,000, established by general subscription through the Scholarship Committee of the Board of Trustees.

THOMAS F. CLARK STUDENTS' LOAN FUND. A fund of \$100,000, the bequest of the late Mrs. Fanny Foster Clark. The income is to be used to aid needy and deserving students.

EDNA HENRY BENNETT MEMORIAL SCHOLARSHIP FUND. A fund of \$1,640, established in 1927 by friends of the late Edna Henry Bennett, 1915, Lecturer in Zoölogy. The income is to be awarded by the Department of Zoölogy to Barnard students for work at a biological laboratory offering summer courses.

CLASS OF 1919 DECENNIAL FUND. A fund of \$5,000, established in 1929 as a tenth reunion gift by the Class of 1919, to endow a room in Hewitt Hall for the use of a deserving and needy student.

CLASS OF 1921 SCHOLARSHIP FUND. A fund of \$2,500, established in 1931 as a tenth reunion gift by the Class of 1921. The income is to be used to help needy and deserving students.

EVA-LENA MILLER BOOTH SCHOLARSHIP FUND. A fund of \$1,000, given in 1932 by the New York City Chapter of the Daughters of the American Revolution as a memorial to the late Mrs. Eva-Lena Miller Booth. The income is to be used to help needy and deserving students.

ALPHA ZETA CLUB SCHOLARSHIP FUND. A fund of \$3,200, established in 1936 by the Alpha Zeta Club. The income will be awarded from time to time to a member of the graduating class for graduate work.

IDA BLAIR MEMORIAL FUND. A fund of \$700, established in 1937 by the Women's Democratic Union, in memory of Ida Blair. The income of the fund is to be used for the purchase, in each year, of books for such student in Barnard College (preferably one studying political science) as shall be designated as deserving by the Dean.

CLARA BUTTENWIESER UNGER MEMORIAL FUND. A fund of \$1,000, established in 1938 by the late Joseph L. Battenwieser, in memory of his daughter, Clara Battenwieser Unger, of the Class of 1913. The income of the fund is to be awarded annually to assist through her senior year a student whose subject of major interest is Government, and who shows promise of ability to contribute to the promotion and perpetuation of true democracy under our Constitution.

ANNE BROWN ENDOWMENT SCHOLARSHIP FUND. A fund of approximately \$24,000, given in 1939 by the Anne Brown Alumnae Association and dedicated to the late Anne Brown. The income is used for scholarships for young women of the City of New York who would otherwise be financially unable to attend Barnard.

FINE ARTS SCHOLARSHIP FUND. A fund of \$1,400, established in 1939. Grants from this fund may be awarded to students for fine arts travel or study in this country or abroad.

LUCRETIA PERRY OSBORN SCHOLARSHIP FUND. A fund of \$5,000, established in 1940 with gifts from friends, in memory of Lucretia Perry Osborn, a Trustee of Barnard College from 1893 to 1930. The income is to be used to aid one or more needy and deserving students.

MARION ALICE HOEY FUND. A fund of \$2,000 given in 1944 by Miss Nellie Poorman in memory of a graduate of Barnard College in the Class of 1914. The income is placed at the disposal of the Dean of the College to be used for the aid of needy and deserving students, preference being given to those studying Greek and Latin.

ANNETTE FLORANCE NATHAN SCHOLARSHIP FUND. A fund of \$3,000, established in 1947 by the estate of the late Frederick Nathan. The income is placed at the disposal of the Dean.

LOUISE GRACE LUBY AND JAMES LUBY SCHOLARSHIP FUND. A fund of \$5,000, established in 1947 by the estate of the late Grace Farrant Luby, Class of 1893, Barnard College. The income of the fund is to be used for scholarships preferably for students in need of financial assistance.

GRADUATE FELLOWSHIPS

GEORGE WELWOOD MURRAY GRADUATE FELLOWSHIP. The income of a fund of \$20,000. Established by Mr. George Welwood Murray in 1930. The holder is to pursue a year of graduate study at Columbia or any other university or college of approved standing. This fellowship is to be awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work in the field of the humanities and/or the social sciences. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which may then be used by the College for other fellowships or scholarships. This fellowship is not to be applied for but is to be awarded each year as soon as possible after the mid-year examinations. Students graduating in February are to be eligible, as well as those graduating in June.

GRACE POTTER RICE FELLOWSHIP. The income of a fund of \$24,000. Established in 1935 by Mr. Winthrop Merton Rice in memory of his wife, Grace Potter Rice, Instructor and Assistant Professor of Chemistry at Barnard from 1918 until 1934. The holder is to pursue a year of graduate study in natural sciences or mathematics at Columbia or any other university or college of approved standing. This fellowship is awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which will then be used for other fellowships or scholarships. This fellowship is not to be applied for, but is awarded each year as soon as possible after the mid-year examinations. Students who have graduated in February are eligible, as well as those who are to graduate in June.

PUBLIC SERVICE FELLOWSHIP. The income of a fund of \$30,000. Established in 1934 by the Women's Organization for National Prohibition Reform. The holder is to pursue a year of graduate study in one or more of the related fields of History, Economics, Government, and Social Science at any college or university of approved standing. This fellowship is awarded annually by the Faculty of Barnard College to a woman graduate of any approved college or university who has shown special ability in the field of political science and promise of future usefulness in the public service.

KIMBALL FELLOWSHIP. The income of a fund of \$32,800. Founded in 1938 with a bequest of the late Lillian Emma Kimball. This fellowship is to be

awarded to a woman from Spain or one of the Spanish-American countries who shall pursue a year of graduate study at Columbia or elsewhere, under the direction of a special committee of women members of the Faculty.

THE HERBERT MAULE RICHARDS FUND. Established by the Barnard Botanical Club, former students, and friends, in memory of Professor Richards, an officer of the Department of Botany from 1896 to 1928, and Chairman from 1897 to 1928. The income from this fund will be granted from time to time to further botanical research, under the direction of an approved institution, to a student or an alumna of Barnard College.

WILLIAM MASON SCHOLARSHIP. The William Mason Scholarship in music is awarded periodically upon the recommendation of the Department of Music to a member of the graduating class of Barnard or Columbia College for graduate studies in music. The value of the scholarship may not exceed the income of the fund.

MARGARET MEYER GRADUATE SCHOLARSHIP

An annual graduate scholarship of a value of \$75, established by Mrs. Alfred Meyer in 1923 in memory of Margaret Meyer Cohen of the Class of 1915, awarded annually to a member of the graduating class to be used towards a course of training in secretarial work.

PRIZES

The following prizes are awarded annually, on the recommendation of the appropriate departments of the Faculty of Barnard College, in accordance with the special conditions named below. No prize will be awarded to any student who falls below grade of C in any course during the year in which she is a competitor.

HERRMAN BOTANICAL PRIZE. A prize consisting of the income of a fund of \$1,000, founded by the late Mrs. Esther Herrman, is awarded annually to the most proficient undergraduate student in botany.

KOHN MATHEMATICAL PRIZE. A prize consisting of the income of a fund of \$1,000, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

THE JENNY A. GERARD MEDAL. The Jenny A. Gerard Gold Medal, given in 1908 by the Society of the Colonial Dames in America in memory of Mrs. James Gerard, late President of the Society, is awarded annually to the undergraduate student of American birth in Barnard College who is most proficient in American colonial history.

SPERANZA PRIZE IN ITALIAN. A prize consisting of the income of a fund of \$1,000, founded by a former student in memory of the late Carlo Leonardo Speranza, Instructor and Professor of Italian at Barnard from 1890 until 1911, is awarded annually to a student in Barnard College for excellence in Italian.

VON WAHL PRIZE. A prize consisting of the income of a fund of \$1,300, founded in 1915 in memory of Constance von Wahl, of the Class of 1912, President of the Undergraduate Association, is awarded annually to a student for excellence in zoölogy, on the understanding that it is to be used to advance her knowledge in that field. If in any year no student stands out as eminently deserving of the prize, it is not awarded.

CAROLINE GALLUP REED PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1916 by Mrs. William Barclay Parsons in memory of her mother, Mrs. Sylvanus Reed, for the recognition of special study in the subject of the origin of Christianity and early church history, is awarded annually to the student who shows the highest excellence in this field of work. The award is made partly on the basis of an examination and partly on the basis of an essay to be handed in by May 1. A syllabus of the period to be covered may be obtained from the Chaplain of the University.

JEAN WILLARD TATLOCK MEMORIAL PRIZE. A prize consisting of the income of a fund of \$1,250, founded in 1917 by her friends in memory of Jean Willard Tatlock, of the Class of 1895, is awarded annually to the undergraduate student most proficient in Latin.

THE HELEN PRINCE MEMORIAL PRIZE. A prize consisting of the income of \$1,200, founded in 1921 by Mr. Julius Prince in memory of his daughter, Helen C. Prince, of the Class of 1922, is awarded annually to an undergraduate student in Barnard College for excellence in dramatic composition.

DEAN PRIZE IN GERMAN. A prize consisting of the income of \$1,000, one-fifth of a fund of \$5,000 established in 1925 by Mr. Edward D. Adams for the promotion of the study of German language and literature in Barnard College, is awarded annually to that member of the senior class at graduation who has throughout her course done the best work in German language and literature.

FRANK GILBERT BRYSON MEMORIAL PRIZE. A prize consisting of the income of a fund of \$3,000, founded in 1931 with a bequest from the late Ella Fitzgerald Bryson, of the Class of 1894, in memory of Frank Gilbert Bryson, is awarded annually to a member of the graduating class who has given conspicuous evidence of unselfishness during her college course.

MARY E. ALLISON PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison in memory of her mother, Mary E. Allison, is awarded annually to a student of general excellence in scholarship.

ESTELLE M. ALLISON PRIZE. A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison, is awarded annually to a student for excellence in literature.

PRIZE ESSAY CONTEST IN COLONIAL HISTORY. The National Society of Colonial Dames in the State of New York sponsors an annual prize essay contest open to Sophomores, Juniors and Seniors of Barnard College. The first prize is \$50 and a gold medal; the second prize is a gold medal.

A topic will be selected from the field of American colonial history by the Barnard College History Department and submitted for approval to the Colonial Dames. This should be done by October of each year. Students will then write essays on the subject, which will be submitted to the History Department and judged for literary excellence and historical accuracy. The History Department, as shortly after March 1 as possible, will then submit the four or five best essays to the Colonial Dames for final judgment of the two prize-winners. The essays should be from 5,000 to 10,000 words in length. The awards will be announced by May 1.

The following prizes of Columbia University are by their terms open to students of Barnard College:

BENNETT PRIZE. A prize established through a gift of \$1,000 from James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporary interest in the domestic or foreign policy of the United States. The competition is open to students not holding a Baccalaureate degree who pursue satisfactory courses in Political Science. The subjects for the essay to be handed in May 2, 1949 are: "The Policy of the United States in Germany." "Anti-communist Legislation in the United States Since 1941."

THE BUNNER MEDAL. The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essay to be handed in May 2, 1949, is: "Hawthorne and Henry James."

EARLE PRIZE IN CLASSICS. A prize of \$50, established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It is awarded partly on the basis of a special examination, partly on the basis of consistently good work in the regular Greek and Latin courses. The special examination covers specified portions of Greek and Latin literature, sight reading in Greek and in Latin, and prose composition in Greek and in Latin. The special subjects for 1949 are: Sophocles, *Ajax* (edition of R. C. Jebb and A. C. Pearson); Seneca, *Select Letters* (Nos. 7, 51, 53, 55, 79, 80, 84, 86, 87, 88, 90; edition of W. C. Summers).

For the award in 1949, the examination will be held in January. Students are urged to do much of their work for the examination during the preceding summer vacation.

THE CAROLINE PHELPS STOKES PRIZE. The Caroline Phelps Stokes Prize of \$40 is awarded annually at Commencement to that student who, having been

regularly enrolled in Columbia College, or Barnard College, or Teachers College as a candidate for an academic degree, for not less than two sessions, winter or spring, shall be deemed to have written the best essay upon an assigned topic bearing upon the rights of man. Subjects for 1948-49 may concern any current economic, political, or educational development in the United States that bears upon the rights of man. Essays upon topics not included within the areas stated will be accepted for competition, provided they are relevant to the general topics of the Rights of Man. For additional information consult Professor Horace Taylor.

GENERAL INFORMATION

ADVICE TO STUDENTS

The Dean is always glad to confer with a student regarding any matters that may be of interest to her. Individual instructors may also be consulted at any time by the student regarding her work in their classes.

Before planning her program for the coming year, every student should consult a member of the teaching staff, according to detailed regulations to be announced from time to time by the Committee on Instruction.

Not later than the spring session of her sophomore year, a student should consult the Occupation Bureau regarding opportunities in different occupations which may interest her and the prerequisite thereto.

ASSEMBLIES

University and College assemblies and other academic meetings at which attendance is required are held on Tuesday at 1:10 o'clock. Students must keep this hour free from other engagements.

HEALTH AND PHYSICAL EDUCATION

The University Medical Officer, Dr. William H. McCastline, the College Physician, Dr. ———, and the Executive Officer of the Department of Physical Education, Professor Margaret Holland, by means of lectures, health service and an extensive program of activities, endeavor to promote and develop both the health and recreational resources of the student. These officers are assisted in the administration of this program by an assistant physician, two trained nurses and six members of the Department of Physical Education.

A complete physical and medical examination is required of each student upon entrance; during the first term of the Sophomore year and during the second term of the Junior year. Seniors are required to report for a medical check-up during the first term of the Senior year. The results of these examinations determine the type of physical activity the student should take. The program is planned also to meet the problem of individual differences and

interests. Emphasis is placed on the maintenance of good health through the acquisition of knowledge and attitudes relating to health and upon the teaching and learning of recreational and developmental skills which can be used after college. The schedule is planned and organized to permit participation in a program of activities out-of-doors in the fall and spring.

Barnard Hall is the laboratory for the Health and Physical Education program. In addition to the medical office and the offices of the Department of Physical Education, Barnard Hall contains the gymnasium, swimming pool, corrective rooms, rest rooms and a dance studio. Seven tennis courts, two golf cages, an archery range, deck tennis courts, both north and south lawns and the roof of Barnard Hall complete the facilities for an extensive program of activities.

Barnard College Camp, occupying a 20-acre plot of wooded land in Westchester County, near Ossining, N. Y., was a gift of the Alumnae Association to the college in October, 1933. The camp is organized and administered by a committee representing the Athletic Association, the Department of Physical Education, the Faculty at large and the Alumnae. It furnishes an ideal opportunity for recreation and activity in the open as well as for practice and learning of camp crafts.

The program offers unlimited opportunity for the development and training of student leaders through service to the Athletic Association as committee chairmen, members of committees and members of the Executive Board of the Athletic Association.

OCCUPATION BUREAU

The Occupation Bureau registers alumnae and students in search of employment or professional advancement, and recommends them to employers who apply to the College. It supports by letters of recommendation applications which qualified candidates may make directly on their own initiative. In many cases, it can supply introductions to possible employers and suggest lines of approach.

In general, students are not advised to undertake employment during their first winter or spring session in college, since it is difficult for them to estimate at first the amount of time that can safely be spared from academic work. That is, the College prefers that they do not enter until they have funds available for the first year's expenses. After the first session or first year an able student in good health, who does not have to commute, can usually arrange to spare three or four half-days a week, and can perhaps earn a part of her expenses in this way. Some summer work may also be obtained. Most unskilled student work, however, is paid at a low rate. No student who carries a full course can expect to earn all of her expenses, both tuition and living. Opportunities for part-time work calling for the number of hours that a student can spare are usually less than the number of students in search of them.

Both students and graduates making inquiry of the bureau are given as much information as possible about opportunities in different lines of work and the requirements therefor. For each student a personal record including scholastic achievement, extra-curricular interests, vocational interests and ex-

periences, etc., is kept in this office, in order that the vocational information given may be as helpful as possible. A small library of vocational books, pamphlets, and bibliographies is in the bureau for the use of students, as well as files of civil service examination notices and regulations of state and city education departments. Considerable information in regard to occupational problems, opportunities, and requirements is accumulated through the survey of alumnae occupations and earnings made in connection with the *Alumnae Register* and through the informal individual reports of the many graduates who keep in personal touch with the bureau. The Vocational Advisory Committee of the Associate Alumnae coöperates with the bureau, particularly in planning vocational meetings; and members of the Faculty assist students with information in regard to particular occupations.

RESIDENCE HALLS

Brooks Hall and Hewitt Hall (see page 6), the residence halls for Barnard College students will open at 9 o'clock Friday, September 17, 1948, and will close at 12 noon Thursday, June 2, 1949. Applications for rooms are provided the candidates for admission who are accepted as resident students by the Committee on Admissions. Any student who is required by the college to return for an appointment or an examination September 13–September 16, inclusive should make arrangements directly with the Director of Residence Halls not later than September 10, 1948.

Full information in regard to the situation and cost of rooms and the advance deposit is published in a separate pamphlet, to be had on application to the Director of Residence Halls, Barnard College, New York 27, New York. All checks and money orders should be made payable to the order of Barnard College. For the residence hall fees see page 22.

The post office address for resident students is Brooks Hall, 3001 Broadway, New York 27, New York.

All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Director of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

The King's Crown Hotel, located at 420 West 116th Street, in close proximity to the University, is owned by the University. It provides accommodations at reasonable rates, available for relatives and guests of members of the University.

INFIRMARY

The Johnson Hall Infirmary of Columbia University is available to resident students who need its services. Nurses are on duty in this infirmary twenty-four hours a day. There is no charge for meals.

ST. PAUL'S CHAPEL

St. Paul's Chapel, situated on the University campus, is open for prayers and meditation daily. On Sundays there are Services of Holy Communion at 9 A.M. and 12:30 Noon, and at 11 A.M. there is Morning Prayer with sermon. The Chaplain of the University and leading preachers from various parts of the country are to be heard at this time. Each weekday (except Saturday) a short Service is held at noon, addressed by a distinguished speaker, or devoted solely to prayer and the ministry of music. The Chapel Choir of fifty student voices sings at these Services. Attendance is voluntary, and a plan of Chapel membership is available for those who wish to identify themselves more closely with the life and work of the Chapel.

The Acting-Chaplain of the University, the Rev. Shunji F. Nishi, is always glad to meet students in consultation. Beside the Chaplain and his assistants there are Counselors for Roman Catholic, Jewish and Protestant students, all of whom have offices in Earl Hall, where are centered other religious activities for both Barnard and Columbia students. There is also an adviser of religious organizations in Barnard College.

STUDENT ORGANIZATIONS

Every student, regular or unclassified, is a member of the Undergraduate Association, and as such is at liberty, on payment of the student fee, to take part in all general undergraduate and class functions, to make use of all privileges of the Athletic Association, and to receive the College paper and literary quarterly. Special students may become special and Associate members of the Association, if they so desire.

The Undergraduate Association elects a Student Council and a Representative Assembly, which, subject to the approval of the Faculty, supervise the various student organizations at the College. On the Student Council is the chairman of the Honor Board which administers the Honor Code in accordance with which all students on entering Barnard College agree to maintain a high standard of honor in examinations and all phases of college life.

THE UNIVERSITY BOOKSTORE

The official University Bookstore is situated in the Journalism Building, with entrances at the southeast corner of 116th Street and Broadway, and from South Quadrangle between Fernald Hall and Journalism. Books and other supplies are sold at discounts from the usual prices. The store is open Monday through Friday from 8:30 A.M. to 8:00 P.M.; Saturday, 8:30 A.M. to 5 P.M.; during the first days of each session, until 10 P.M. The store maintains a soda fountain and tea room serving breakfast, lunch and supper, a typewriter exchange, and other services with substantial savings to Columbia students. Students having deposit accounts with the University may also make withdrawals at the bookstore.

UNIVERSITY LIBRARIES

The Ella Weed Library of Barnard College comprises the Main Library in Barnard Hall and the department libraries of Botany, Chemistry, Geology, Physics, and Zoölogy located in Milbank. A total collection of over 65,000 volumes serves the general reading needs of Barnard students. Throughout the academic year the Main Library is open daily except Sundays and holidays from 8:45 a.m. to 9:55 p.m. Monday through Friday and 8:45 a.m. to 4:55 p.m. Saturday. The Library is open also on announced Sundays from 2:30 p.m. to 5:25 p.m.

The Libraries of the University contain more than 2,000,000 volumes, exclusive of unbound pamphlets. The main collection is housed in the Nicholas Murray Butler Library at 114th Street. All the libraries on the university campus, including that of Teachers College, are open to Barnard students. The Bursar's receipt serves as identification.

UNIVERSITY TRAVEL BUREAU

The Columbia University Travel Service is the official travel agency of the University. The bureau is a member of the American Association of Travel Agents (ASTA) and is the recognized and appointed agent in this area for the various steamship, air, bus and other travel companies. Reservations and tickets for all types of travel may be obtained at the bureau as well as hotel accommodations at point of destination. There is no charge for this service. Travel information, circulars, and help with visa problems are also available.

The Travel Bureau serves as travel agent for WORLD STUDY TOURS.

During the summer months the bureau conducts sight-seeing and other tours in the metropolitan area and to other points of historical and literary interest. The travel bureau is located for convenience in the University Bookstore (on the balcony) at Broadway and 116th Street.

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[Donors who had given \$5,000 or more to Barnard College by the time of its Fiftieth Anniversary have been enrolled as Founders.]

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* Deceased.

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* Deceased.

FORM OF BEQUEST

To Barnard College I give and bequeath the sum of \$..... for the uses and purposes of said Corporation.

1947-48 OFFICERS OF THE ASSOCIATE ALUMNAE OF BARNARD COLLEGE

Office: RIVERSIDE BUILDING, BARNARD COLLEGE

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 Mrs. DAVID S. MUZZEY '19 *Alumnae Trustee*

ACADEMIC CALENDAR

1948-1949

1948

- July 4 Sunday. Independence Day.
- July 5 Monday. Holiday.
- July 6 Tuesday. Forty-ninth Summer Session of Columbia University begins.
- Aug. 2 Monday. Last day for filing applications for deficiency examinations, to be held in September.
The privilege of later application may be granted on payment of a fee of \$5.
- Aug. 13 Friday. Forty-ninth Summer Session ends.
- Aug. 18 Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 8 Wednesday. Interviews and registration for freshmen begin.
- Sept. 13 Monday. Deficiency examinations begin.
- Sept. 15 Wednesday. Foreign language tests.
- Sept. 21 Tuesday. Registration ceases for new students.
The privilege of later registration may be granted on payment of a fee of \$15.
- Sept. 22 Wednesday. Winter Session, sixtieth year, begins.
- Sept. 23 Thursday. Classes begin.
- Oct. 19 Tuesday. Stated meeting of University Council.
- Nov. 2 Tuesday. Election Day. Holiday.
- Nov. 23 Tuesday. Annual Thanksgiving Service in St. Paul's Chapel.
- Nov. 25 Thursday. Thanksgiving Day. Holiday.
- Nov. 30 Tuesday. Student program meetings.
- Dec. 21 Tuesday. Stated meeting of University Council.
- Dec. 22 Wednesday, to

1949

- Jan. 4 Tuesday, inclusive. Christmas holidays.
- Jan. 15 Saturday. Entrance tests of the College Entrance Examination Board.
- Jan. 16 Sunday. Annual Commemoration Service in St. Paul's Chapel.
- Jan. 17 Monday. Mid-year examinations begin.
- Jan. 31 Monday and
- Feb. 1 Tuesday. Registration for students matriculating for the first time.
The privilege of later registration may be granted on payment of a fee of \$15.
- Feb. 2 Wednesday. Classes begin.
- Feb. 12 Saturday. Alumnae Day. Not a University holiday.
- Feb. 15 Tuesday. Stated meeting of University Council.
- Feb. 22 Tuesday. Washington's Birthday. Holiday.
- March 1 Tuesday. Last day for filing applications for non-competitive scholarships, grants-in-aid, and residence grants.

1949

- April 9 Saturday. Admission and scholarship tests conducted by the College Entrance Examination Board.
- April 10 Sunday to April 17, Sunday, inclusive. Easter holidays.
- April 19 Tuesday. Stated meeting of University Council.
- April 19 Tuesday. Student program meetings.
- May 16 Monday. Final examinations begin.
- May 29 Sunday. Baccalaureate Service.
- June 1 Wednesday. Conferring of degrees.
- June 4 Saturday. Entrance tests of the College Entrance Examination Board.
- June 8 Wednesday. Spring Session ends.
- July 4 Monday. Independence Day. Holiday.
- July 5 Tuesday. Fiftieth Summer Session of Columbia University begins.
- Aug. 1 Monday. Last day for filing applications for deficiency examinations.
The privilege of later application may be granted on payment of a fee of \$5.
- Aug. 12 Friday. Fiftieth Summer Session ends.
- Aug. 24 Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 14 Wednesday. Interviews and registration for freshmen begin.
- Sept. 19 Monday. Deficiency examinations begin.
- Sept. 28 Wednesday. Winter Session, sixty-first year, begins. Registration ceases for new students.
The privilege of later registration may be granted on payment of a fee of \$15.
- Sept. 29 Thursday. Classes begin.

Full Year - Spring Term 1951

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